Census

Recensement

Canada 1986

USER'S GUIDE
TO 1986 CENSUS DATA
ON
MAJOR FIELD OF STUDY

Canada

I✦I Statistics   Statistique
Canada   Canada

Census
Recensement

Canada 1986

Reference

—‍ ⁱ

USER'S GUIDE
TO 1986 CENSUS DATA
ON
MAJOR FIELD OF STUDY

THE CLASSIFICATION
STRUCTURE

La version française est disponible sur
demande (n⁰ 99-130F au catalogue).

CONTENTS

PREFACE

The Major Field of Study User Guide on the Classification Structure was prepared by G. A. Mori, M. E. Lalonde, B. Burke and A. Baril of the Housing, Family and Social Statistics Division in order to document the essential procedures that were undertaken in the production of the 1986 Census field of study data. The information is intended to complement as well to encourage the utilization of this rich source of data on the stock of human capital in Canada. Many individuals within Statistics Canada, as well as Employment and Immigration Canada coding consultants, contributed to the production of this valuable data base. Those most directly involved included the following; from Statistics Canada: W. Clark, G. Harper, D. Holmes, J. Kirk, M. Labelle, J. McMillan, C. Sage; and from EIC: C. Armstrong, M. Ball, Y. Jomphe, D. Landry, M. Pay, J. Sullivan, G. Suppes and J. Veilleux. Finally, we wish to acknowledge the source of many of the ideas for the MFS classification in the works of the late Zoltan Zsigmond who conducted the most comprehensive statistical surveys and analyses of the flow of human capital in Canada.

A Major Field of Study User Guide on Data Processing and Validation is projected to be completed in 1991. It will contain further meta-data information such as edit and imputation rules and concordance tables linking the Census MFS classification to other classificatory systems such as USIS (University Student Information System), CCSIS (Community College Student Information System) and ISCED (International Standard Classification of Education). It will also contain selected data comparisons that were utilized to validate the Census MFS data against some previously collected survey and census data.

PART I
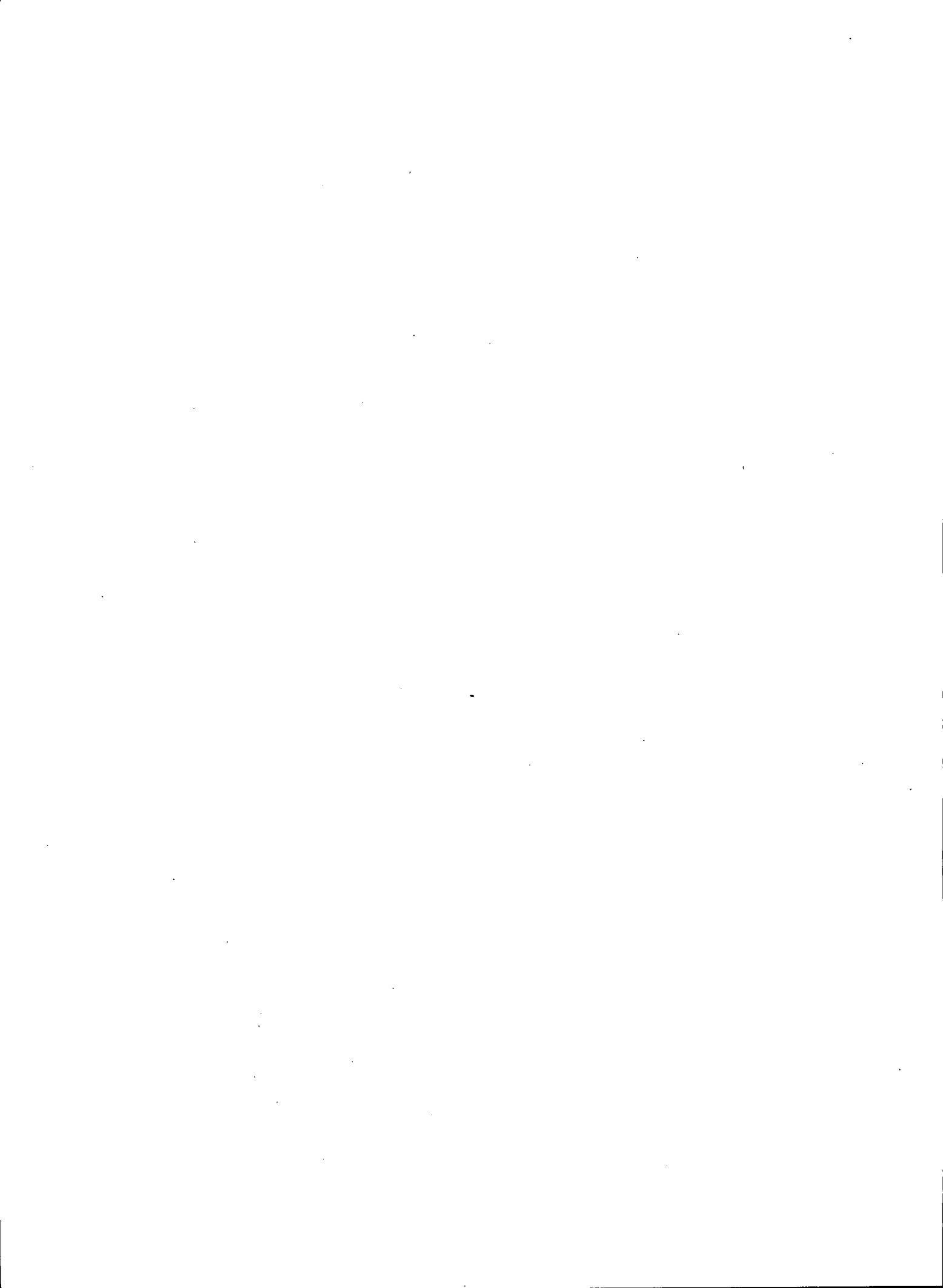
MAJOR FIELD OF STUDY USER GUIDE

1. Introduction

The main purpose of this User Guide to the new 1986 Census of Canada information on the major field of study (MFS) of a person's highest postsecondary degree, certificate or diploma[1] is to provide the user with some background information that will aid in the effective utilization, application and interpretation of the MFS data.

The addition of the major field of study question to the 1986 Census 20% sample questionnaire was based on a trade-off with the question on school attendance.[2] The rationale for this was that more data on the quality and the stock of human capital would be required to provide for manpower planning and training programs in the 1980s. Prior to 1986, stock data on specialization or major field of study were available from the following sources:

- the 1971 Census data on vocational training and apprenticeship;
- the 1973 postcensal Highly Qualified Manpower Survey;
- the 1978 and 1984 National Graduate survey (based on University and College graduation data);
- the 1982 Current Population Profile labour force survey supplement.

These data were not collected in a periodic nor a standardized fashion and therefore it has been difficult thus far to arrive at a systematic view of the volume and flow of human capital in Canada. The new 1986 Census data on major field of study (MFS) complements these previous sources. Moreover it allows for a great deal of analysis at varying geographic levels and in conjunction with a number of socio-economic variables such as labour force activity, occupation, industry and income.

2. The 1986 Census MFS Question/Instructions

The choice of wording of the 1986 Census question was based on precedents from the above-mentioned surveys. The term "field of study" appeared to be one that is readily understood by most respondents. However, there was some difficulty in respondents understanding or application of this concept to the trades certificate category. The latter was included within the rubric of "postsecondary" qualifications and it seems that the concept of "field of study" may be less germane to certain trades certificates than, say, either the concepts of training or apprenticeship. Nevertheless, the vast majority of responses to the MFS question were consistent and classifiable, and the data appear to be very reliable. The data collection instruments for the 1986 MFS data were questions 22 and 23 from the 2B sample questionnaire (Chart 1).

Chart 1: Questions 22 and 23 from the 2B sample questionnaire.

---

22. What degrees, certificates or diplomas have you ever obtained?
(See Guide)

Mark as many boxes as applicable

☐ None
☐ Secondary (high) school graduation certificate
☐ Trades certificate or diploma
☐ Other non-university certificate or diploma (obtained at community college, CEGEP, institute of technology, etc.)
☐ University certificate or diploma **below** bachelor level
☐ Bachelor's degree(s) (e.g., B.A., B.Sc., B.A.Sc., LL.B.)
☐ University certificate or diploma **above** bachelor level
☐ Master's degree(s) (e.g., M.A., M.Sc., M.Ed.)
☐ Degree in medicine, dentistry, veterinary medicine or optometry (M.D., D.D.S., D.M.D., D.V.M., O.D.)
☐ Earned doctorate (e.g., Ph.D., D.Sc., D.Ed.)

Chart 1: (continued)

23. What was the major field of study of your **highest** degree, certificate
or diploma **(excluding** secondary or high school graduation
certificates)? *(See Guide)*

```
┌─────────────────────────────────────┐
│                                     │
│                                     │
└─────────────────────────────────────┘
```

*(For example, accounting, civil engineering, history, legal
secretary, welding.)*

*If you have no degree, certificate or diploma or have a second-
ary (high) school graduation certificate only, mark below.*

☐ ► *Go to Question 24*

```
┌──────────┐
│▓▓│▓▓│▓▓│
└──────────┘
```

The 2B questions were, for more than 95% of respondents, answered in a self-enumeration format. If respondents had difficulty with the questionnaire they were instructed to consult the guide booklet that accompanied the questionnaire (Chart 2).

The major field of study question asked for the respondent to specify that field as it pertains to the respondent's highest degree, certificate or diploma, excluding the secondary school graduation certificate. The determination of the qualification was implicitly based on the hierarchy or ordering of qualifications in question 22. Thus if a respondent had more than one postsecondary qualification, then the one with the highest-numbered check-box would be the one for which major field of study would be reported.

Chart 2: Instructions for Question 23 from the 1986 Census Guide.

Question 23

Be as specific as possible in indicating a subfield of specialization within a broader discipline or area of training, especially in the case of graduate studies or other advanced training.

If you have earned more than one highest degree, certificate or diploma (e.g., two bachelor's degrees or two master's degrees), then indicate the major field of study for the one that was most recently conferred.

If you have specialized in more than one major field of study in your degree, certificate, or diploma, then indicate the one in which you experienced the greatest degree of specialization (e.g., the field in which you received the most number of courses or credits).

Also, as stated in the Guide instructions if the respondent had earned more than one degree, certificate or diploma at the same level, then they were instructed to report the field of study for the one most recently conferred. If the respondent had actually specialized in two or more different fields of study for the same qualification, then they were instructed to report the field of study in which the greatest degree of specialization was experienced (e.g., the field with the most number of credits). Notwithstanding these special instructions vis-à-vis multiple major fields of study, there was expected to be a number of dual majors to be reported. However, as it proved to be virtually impossible to code and to account for the large number of combinations, only a selected few dual major fields of study were retained on the data base. These multiple majors were restricted to the following cases: agricultural economics; economic geography; historical and political geography; physical geography; biochemistry (or biology and chemistry); biophysics (or biology and physics); physical chemistry; geophysics and geomorphology; astrophysics and astronomy; and chemical physics. Apart from these exceptions, all of the remaining fields of study reflect more or less singular domains or disciplines with fairly well established and defined contents and methodologies.

10

3. Definition

The formal definition of major field of study in the 1986 Census Reference Dictionary (99-101E) is shown in Chart 3.

Chart 3: Definition for Major Field of Study from the 1986 Census Dictionnary.

SCHOOLING: MAJOR FIELD OF STUDY (MFS)

Refers to the predominant discipline or area of learning or training of a person's highest postsecondary degree, certificate or diploma. The major field of study classification structure consists of 10 broad or major categories - educational, recreational and counselling services; fine and applied arts; humanities and related fields; social sciences and related fields; commerce, management and business administration; agricultural and biological sciences/technologies; engineering and applied sciences; engineering and applied science technologies and trades; health professions, sciences and technologies; and mathematics and physical sciences. This structure is, in turn, subdivided into over 100 "minor" classification categories and over 450 "unit" groups. The final number of "unit" groups may be reduced depending on the counts observed.

Censuses:	1986 (1/5 sample), 1971 (1/3 sample) - vocational training and apprenticeship only.
Reported for:	Population 15 years of age and over with a postsecondary degree, certificate or diploma, excluding institutional residents.
Responses:	See Appendix F for the classification structure.
Remarks:	The classification structure of the MFS variable can be used either independently or in conjunction with the SCHOOLING: HIGHEST DEGREE, CERTIFICATE OR DIPLOMA variable. When the latter is utilized with MFS, it should be noted that each of the postsecondary qualifications ranging from the trades certificate or diploma to earned doctorate display differing patterns or distributions. Therefore, varying disaggregations of MFS can be employed based primarily on the numerical representativeness of unit groups within each level of qualification.

When the medical degree level of qualification is cross-classified with MFS, it is advisable to use the separate variable DEGREE IN MEDICINE, DENTISTRY OR VETERINARY MEDICINE rather than the code value for HIGHEST DEGREE. The reason for this is that the former variable indicates a medical degree regardless of whether master's or earned doctorate were also held. This variable also shows persons with combined medical and earned doctorate degrees.

It should also be noted that the field of study concept entails the notion of subfield or specialization. Respondents were instructed in the guide which accompanied the questionnaire to be as specific as possible in indicating a subfield of specialization within a broader discipline or area of training, especially in the case of graduate studies or other advanced training. The degree to which respondents answered according to this criterion is reflected in the frequency of counts for the MFS "unit" groups. In general, higher degrees of specialization tend to be reported for master's medical and earned doctorate degrees.

Finally, it should be noted that the MFS data base can be linked to other comparable data bases. The 1971 Census vocational and apprenticeship training is one. Others include the 1973 Highly Qualified Manpower Survey, the 1975 and 1984 Postsecondary Student Surveys, the 1978 and 1984 National Graduates Surveys, the 1982 Current Population Profile, the International Standard Classification of Education, and the annual enrolment data for graduates classified according to the University Student Information System and the Community College Student Information System.

---

4. The MFS Classification Structure

The 1986 Census MFS classification structure was developed by the authors through the amalgamation and consolidation of seven related but differing classification schemes. Five of these originated from previous and ongoing Statistics Canada education data series, one originated from the Employment and Immigration Canada's (EIC) publication, *College and University Programs in Canada*, and the last was drawn from the 1975 International Standard Classification of Education (ISCED) developed by UNESCO. In the development of the present MFS classification system, we decided at the outset to have a single unified system, rather than to have different schemes for the various levels of educational qualifications. Not only did this simplify the procedure of developing a code book[3], but it also proved to be the most effective means of systematically summarizing the mass of information related to education and training in general. The alternative approach of developing or adapting different schemes to the four basic qualification levels - trades, college or other non-university, university and medical - would have resulted in a cumbersome and overlapping network that would have created

editing complications for coders that could in turn have been very error-prone.

The resulting unified classification scheme has the one singular disadvantage in that it does not immediately appear to resemble any existing or standard educational classification. However, in point of fact the structure is actually parallel to both the USIS classification as well as the ISCED structure from which USIS is derived. The one advantage that the MFS classification has over other systems is that it reflects current educational programs reported or described by respondents on their own terms. The last point is quite important as there tends to be an institutional lag when dealing with administratively reported information (i.e., the terminology tends to reflect older or established as opposed to newly formed or developing fields of study).

The present classification system for major field of study is, therefore, a consolidation of previously existing systems and reflects a fairly current nomenclature. The seven related classification systems from which the MFS system is derived are:

- the 1971 Census Vocational Training and Apprenticeship data which related to over 1,500 entries and was in turn aggregated into 99 minor unit groups and 19 major groups;

- the 1973 Highly Qualified Manpower Survey (HQMS) which related to a post-censal sub-sample of 1971 university graduates and which contained 99 unit codes and 8 major groups;

- the Education, Culture and Tourism Division's (ECTD) University Student Information System (USIS) containing 143 unit codes and the same 8 major groups as the HQMS;

- the ECTD's Community College Student Information System (CCSIS) containing 345 unit codes and several intermediate levels of aggregation;

- the 1982 Labour Force Survey Supplement (August) Current Population Profile (CPP) which in contrast to the previous four data series is addressed to the full range of educational qualifications and does so within a single classification scheme, thus providing a precedent for the unitary MFS structure; the CPP, however, was administered as a small random Labour Force Survey sub-sample and was capable of sustaining only 15 unit (major-level) codes;

- the publication produced by the Employment Support Services Branch of EIC entitled College and University Programs in Canada which organizes its information according to an occupationally oriented pattern derived from the Standard Occupational Classification (SOC) and which identifies 168 unit groups and 23 major groups;

- the International Standard Classification of Education (ISCED) produced by UNESCO (United Nations Educational, Scientific and Cultural Organization) which is a complex multi-level scheme but which nonetheless is capable of being reduced and presented in a unitary form; educational field of study statistics from the Australian census have been organized under ISCED.

The overall structure of the 1986 Census MFS classification contains three systematic levels of aggregation, similar to the Standard Occupational Classification (SOC) and the Standard Industrial Classification (SIC). It does not, however, contain a four digit code structure as in the SOC or the SIC. Rather, the first two levels of aggregation are represented as nominal categories and the third level contains a three-digit numerical code that corresponds to the original data capture codes. A three-digit sequential and numerical (001-485) coding operation was applied to the MFS question. It was the least number of digits required thus making the data capture more efficient and less prone to coding error. After the data were captured, edited and weighted, preliminary analysis revealed that a number of fields of study had very low frequencies. In order to ensure that the final data base would contain MFS data that would meet normal Statistics Canada's reliability and confidentiality requirements, the MFS codes with frequencies that fell below a minimal cut-off point of 250 persons (weighted at the Canada level) were collapsed into contiguous or related fields. The cut-off point was methodologically selected on the basis of analysis of the standard error for cell sizes less than 250 (disaggregated by sex and province) as well as a comparison for procedures used for other census data such as occupation and income. This procedure resulted in a reduction of 52 fields of study. Users interested in which fields were reduced can compare the present MFS classification with that of the MFS code classification structure published in the 1986 Census Reference Dictionary (99-101E).

As stated previously, the MFS like the SOC and the SIC has three main levels of aggregation (although of course many other forms of aggregation are possible). At the highest or most generic level there are ten broad or major categories:

1 - Educational, Recreational and Counselling Services
2 - Fine and Applied Arts
3 - Humanities and Related Fields
4 - Social Sciences and Related Fields
5 - Commerce, Management and Business Administration
6 - Agricultural and Biological Sciences/Technologies
7 - Engineering and Applied Sciences
8 - Engineering and Applied Science Technologies and Trades
9 - Health Professions, Sciences and Technologies
10 - Mathematics and Physical Sciences

Users familiar with the HQMS, USIS or ISCED classification systems will note the general similarity with this classification. The main difference in the MFS classification is the addition of two broad generic categories - Commerce, Management and Business Administration (which was previously situated in the Social Sciences and related group in the HQMS/USIS/ISCED systems); and Engineering and Applied Science Technologies and Trades which was originally a part of the Engineering and Applied Sciences group. The main rationale for the addition of these two generic groups is first of all their distinctiveness vis-à-vis the other generic groups and secondly the empirical fact of the vast proliferation of programs and courses in these two areas in Canadian postsecondary institutions over the past ten to fifteen years. The Applied Science Technologies and Trades group represents the largest single generic aggregate accounting for 24% of major fields of study of persons with postsecondary qualifications. The second largest group is the Commerce, Management and Business Administration group at 23%. Together, these two groups represent 46%, or almost half, of all postsecondary graduates.

At the second or intermediate level of aggregation there are 110 "minor" groups, each of which are subsumed or "nested" under one of the ten generic or broad groups. These minor groups refer to more specifically defined sub-groups which, in turn, are for the most part subject to further differentiation. A schematic overview of the relationship between the first two levels of aggregation is shown in Chart 4. In terms of actual data utilization, it is expected that much of the analysis of the MFS data will take place at the generic and the intermediate minor group levels. This would especially apply to analyses of the MFS data in conjunction with some or all of the following census socio-economic variables.

- sex and MFS
- age groups and MFS
- occupation, industry, labour force activity, income and MFS
- geography and MFS
- mobility and MFS
- cultural factors (language, ethnicity and immigration) and MFS
- disability and MFS

Chart 4: Schematic Overview of the Broad Generic Level and Minor Group Classification Level of Major Field of Study

---

EDUCATIONAL, RECREATIONAL AND COUNSELLING SERVICES (001-046)

Education - General	(001)
Elementary - Primary Education	(002-004)
Secondary Education (Basic)	(005-012)
Secondary Education (Specialized)	(013-019)
Special Education	(021-026)
Non-teaching Educational Fields	(027-032)
Physical Education, Health and Recreation	(033-039)
Counselling Services and Personal Development	(040-044)
Other Education	(045-046)

FINE AND APPLIED ARTS (047-079)

Fine Arts	(047-052)
Music	(053-057)
Other Performing Arts	(058-061)
Commercial and Promotional Arts	(062-064)
Graphic and Audio-visual Arts	(065-070)
Creative and Design Arts	(071-073)
Other Applied Arts	(074-079)

HUMANITIES AND RELATED FIELDS (080-124)

Classics, Classical and Dead Languages	(080-082)
History	(083-087)
Library and Records Science	(088-089)
Mass Media Studies	(090-093)
English Language and Literature	(094-098)
French Language and Literature	(099-102)
Other Languages and Literature	(103-109)
Philosophy	(110-114)
Religious Studies	(115-119)
Other Humanities and Related Fields	(120-124)

SOCIAL SCIENCES AND RELATED FIELDS (125-187)

Anthropology	(125-129)
Archeology	(130)
Area Studies (Non Languages or Literature)	(131-137)
Economics	(138-143)
Geography	(144-152)
Law and Jurisprudence	(153-157)
Man/Environment Studies	(158-161)
Political Science	(162-166)
Psychology	(167-171)
Sociology	(172-177)
Social Work and Social Services	(178-184)
War and Military Studies	(185)
Other Social Sciences and Related Fields	(186-187)

COMMERCE, MANAGEMENT AND BUSINESS ADMINISTRATION (188-220)

Business and Commerce	(188-191)
Financial Management	(192-195)
Industrial Management and Administration	(196-200)
Institutional Management and Administration	(201-205)
Marketing, Merchandising, Retailing and Sales	(206-210)
Secretarial Science - General Fields	(211-220)

AGRICULTURAL AND BIOLOGICAL SCIENCES/TECHNOLOGIES (221-266)

Agricultural Science	(221-229)
Agricultural Technology	(230-233)
Animal Science Technologies	(234-238)
Biochemistry	(239)
Biology	(240-244)
Biophysics	(245)
Botany	(246-248)
Household Science and Related Fields	(249-254)
Veterinary Medicine/Science	(255-256)
Zoology	(257-262)
Other Agricultural and Biological Sciences/Technologies	(263-266)

ENGINEERING AND APPLIED SCIENCES (267-301)
Architecture and Architectural Engineering	(267-269)
Aeronautical and Aerospace Engineering	(270)
Biological and Chemical Engineering	(272-273)
Civil Engineering	(274)
Design/Systems Engineering	(275)
Electrical/Electronic Engineering	(276-278)
Industrial Engineering	(279)
Mechanical Engineering	(280-282)
Mining, Metallurgical and Petroleum Engineering	(283-286)
Resources and Environmental Engineering	(287-289)
Engineering Science	(291-292)
Engineering, n.e.c.	(293)
Forestry	(294-298)
Landscape Architecture	(299-301)

ENGINEERING AND APPLIED SCIENCE TECHNOLOGIES AND TRADES (302-369)
Architectural Technology	(302-303)
Chemical Technology	(304-307)
Building Technologies	(308-317)
Data Processing and Computer Science Technologies	(318-321)
Electronic and Electrical Technologies	(322-327)
Environmental and Conservation Technologies	(328-332)
General and Civil Engineering Technologies	(333-339)
Industrial Engineering Technologies	(340-348)
Mechanical Engineering Technologies	(349-358)
Primary Industries/Resource Processing Technology	(359-362)
Transportation Technologies	(363-368)
Other Engineering/Applied Science Technologies, n.e.c.	(369)

HEALTH PROFESSIONS, SCIENCES AND TECHNOLOGIES (370-441)
Dentistry	(370)
Medicine - General	(375)
Medicine - Basic Medical Science	(376-383)
Medical Specializations (Non-surgical)	(384-388)
Paraclinical Sciences	(390-393)
Surgery and Surgical Specializations	(394-398)
Nursing	(399-406)
Nursing Assistance	(407-410)
Optometry	(411)
Pharmacy and Pharmaceutical Sciences	(412-413)
Public Health	(414-418)
Rehabilitation Medicine	(421-424)
Medical Laboratory and Diagnostic Technology	(425-429)
Medical Treatment Technologies	(431-439)
Medical Equipment and Prosthetics	(440)
Other Health Professions, Sciences and Technologies, n.e.c.	(441)

MATHEMATICS AND PHYSICAL SCIENCES (442-480)
Actuarial Science	(442)
Applied Mathematics	(443-447)
Chemistry	(448-454)
Geology and Related Fields	(455-462)
Mathematical Statistics	(463)
Mathematics	(464)
Metallurgy and Materials Science	(465)
Meteorology	(466)
Oceanography and Marine Sciences	(467)
Physics	(471-478)
General Science	(479-480)

ALL OTHER N.E.C. (481)
All Other n.e.c.	(481)

NO SPECIALIZATION (482)
No Specialization	(482)

NO POSTSECONDARY QUALIFICATION (485)
No Postsecondary Qualification	(485)

Finally, at the third or most detailed level of aggregation, there are 428 unit groups arranged within the minor group categories. Their order within the minor groups is for the most part alphabetical (in English only). These unit groups represent the most specific delineation of major fields of study and can in general be regarded as subfields or specializations. The MFS data at the unit level should be approached with a slight degree of caution. Although persons reporting specific (as opposed to generic) fields are counted or enumerated as such, it is not known whether all respondents who actually did indeed specialize in a subfield reported themselves. As such, for example, although there is a tendency for the more specialized fields to be reported by persons at graduate degree levels (e.g., masters and earned doctorates), it is also true that some persons with graduate degrees reported their fields of study at higher or more generic levels of fields of study. The unit groups, then, can be analyzed as sub-groups in their own right, or they can be used as building blocks to create higher levels of aggregation such as at the minor or generic levels.

5. The MFS Classification and Its Relationship to the Highest Degree, Certificate or Diploma Variable

Each of the unit field of study groups in the MFS classification structure has a specific relationship to the highest degree, certificate or diploma variable. There are four specific ways in which a given MFS unit group can relate to a given type of postsecondary qualification.

(i)   The first possibility is that a given unit field of study can be represented by **all** postsecondary qualifications;

(ii)   The second possibility is that a given unit field of study can be represented only by trades or other non-university (college) certificates or diplomas;

(iii)   the third possibility is that a given unit field of study can be represented at the other non-university (college) certificate or diploma level as well as at the level of university certificates, diplomas or degrees;

(iv)   the fourth and final possibility is that a given unit field of study can only be represented at the level of university certificates, diplomas or degrees.

These relationships between MFS and the highest degree certificate and diploma variable were defined and established for the purposes of conducting consistency edits between these two sets of data. These relationships are indicated as follows on Chart 5 which reflects the final 1986 Census retrieval data base classification for MFS.

HIGHEST DEGREE: - All (All postsecondary) . . . . ALL_UCT
                - Trade-College . . . . TRADE_COLL
                - College-University . . . . COLL_UNIV
                - University only . . . . UNIV_ONLY

The complete final MFS classification structure is shown in the following Chart 5.

Chart 5: Major Field of Study - Final Classification Structure

EDUCATIONAL, RECREATIONAL AND COUNSELLING SERVICES (001-046)

	Education - General		**(001)**
001	Education - General	COLL_UNIV	

	Elementary - Primary Education		**(002-004)**
002	Elementary School Teaching - General	COLL_UNIV	
003	Elementary School Teaching - Specialized	COLL_UNIV	
004	Pre-school, Kindergarten and Early Childhood Education	COLL_UNIV	

	Secondary Education (Basic)		**(005-012)**
005	Secondary School Teaching	COLL_UNIV	
006	English Language Teaching	COLL_UNIV	
007	French Language Teaching	COLL_UNIV	
008	Other Language Teaching	COLL_UNIV	
009	Mathematics - Science Teaching[1]	COLL_UNIV	
011	Social Studies Teaching	COLL_UNIV	
012	Secondary Basic Curriculum - Other[2]	COLL_UNIV	

	Secondary Education (Specialized)		**(013-019)**
013	Adult/Continuing Education	COLL_UNIV	
014	Art and Fine Art Education	COLL_UNIV	
015	Commercial/Business Education	COLL_UNIV	
016	Family/Life Education	COLL_UNIV	
017	Industrial/Vocational Education	COLL_UNIV	
018	Music Education	COLL_UNIV	
019	Religious Education	COLL_UNIV	

	Special Education		**(021-026)**
021	Special Education Teaching	COLL_UNIV	
022	Highly Gifted or Exceptional Children	COLL_UNIV	
026	Special Education - Other[3]	COLL_UNIV	

	Non-teaching Educational Fields		**(027-032)**
027	Audio-visual Educational Media	ALL_UCT	
028	Educational Administration and Organization	COLL_UNIV	
029	Educational Psychology	COLL_UNIV	
030	Educational Statistics and Sociology	COLL_UNIV	
031	History, Philosophy and Theory of Education	COLL_UNIV	
032	Paraprofessional Teacher Aide/Educational Support	TRADE_COLL	

	Physical Education, Health and Recreation		**(033-039)**
033	Physical Education and Health	COLL_UNIV	
034	Kinesiology and Kinanthropology	COLL_UNIV	
035	Recreology, Recreation and Leisure Services	COLL_UNIV	
036	Parks/Forest/Wildlife Recreation	COLL_UNIV	
037	Travel and Tourism	TRADE_COLL	
038	Sports Technology	ALL_UCT	
039	Physical Education, Health and Recreation - Other	ALL_UCT	

	Counselling Services and Personal Development		**(040-044)**
040	Counselling Services - General	COLL_UNIV	
041	Counselling Psychology	COLL_UNIV	
042	Marriage/Family/Life Skills Counselling	COLL_UNIV	
043	Vocational Guidance and Counselling	ALL_UCT	
044	Counselling Services and Personal Development - Other	ALL_UCT	

	Other Education		**(045-046)**
045	Education, n.e.c. - Other	ALL_UCT	
046	Postsecondary Teacher Training	COLL_UNIV	

---

[1] Includes Computer Science Teaching.

[2] Includes Secondary School Specialities - Other.

[3] Includes Multicultural Education (Native, Other) and Remedial Reading.

	Fine Arts		**(047-052)**
047	Fine Arts - General	COLL_UNIV	
048	Aesthetics and Art Appreciation, Art Studies	COLL_UNIV	
049	Art History	COLL_UNIV	
050	Painting and Drawing	ALL_UCT	
051	Pottery and Ceramics	ALL_UCT	
052	Sculpture	ALL_UCT	
	Music		**(053-057)**
053	Music, Musicology	ALL_UCT	
054	Composition and Conducting	COLL_UNIV	
055	Musical Instruments	ALL_UCT	
056	Music History and Music Theory	COLL_UNIV	
057	Vocal Music, Singing, Opera	ALL_UCT	
	Other Performing Arts		**(058-061)**
058	Performing Arts - General	ALL_UCT	
059	Dance	COLL_UNIV	
060	Drama	COLL_UNIV	
061	Theatre	COLL_UNIV	
	Commercial and Promotional Arts		**(062-064)**
062	Commercial Art/Promotional Art - General	TRADE_COLL	
063	Advertising Art	TRADE_COLL	
064	Modelling	TRADE_COLL	
	Graphic and Audio-visual Arts		**(065-070)**
065	Graphic Art and Design	ALL_UCT	
066	Lithography and Print Making	TRADE_COLL	
067	Photography	TRADE_COLL	
069	Printing and Publishing	TRADE_COLL	
070	Audio-visual Arts[4]	ALL_UCT	
	Creative and Design Arts		**(071-073)**
071	Creative and Design Arts - General	ALL_UCT	
072	Handicrafts (Arts and Crafts)	TRADE_COLL	
073	Interior Design and Decorating	ALL_UCT	
	Other Applied Arts		**(074-079)**
074	Applied Arts - General	TRADE_COLL	
075	Barbering	TRADE_COLL	
076	Beauty Culture and Cosmetology	TRADE_COLL	
077	Hairdressing	TRADE_COLL	
078	Upholstery and Furniture	TRADE_COLL	
079	Applied Arts - Repair and Renovation	TRADE_COLL	

HUMANITIES AND RELATED FIELDS (080-124)

	Classics, Classical and Dead Languages		**(080-082)**
080	Classics, Classical Studies	COLL_UNIV	
081	Ancient Greek, Latin and Roman	COLL_UNIV	
082	Classical Languages - Other	COLL_UNIV	
	History		**(083-087)**
083	History - General	COLL_UNIV	
084	Canadian History	COLL_UNIV	
085	Medieval and Ancient History	COLL_UNIV	
087	History - Other[5]	COLL_UNIV	
	Library and Records Science		**(088-089)**
088	Library/Documentation Science	ALL_UCT	
089	Museology, Museum Technology	ALL_UCT	

---

[4] Includes Recorded Music Arts.

[5] Includes Modern History.

	Mass Media Studies		(090-093)
090	Mass Media Studies - General	COLL_UNIV	
091	Cinematography, Film Studies	COLL_UNIV	
092	Radio-television	COLL_UNIV	
093	Journalism, News Reporting	ALL_UCT	

	English Language and Literature		(094-098)
094	English Language and Literature - General	COLL_UNIV	
098	English Language and Literature - Specialized[6]	COLL_UNIV	

	French Language and Literature		(099-102)
099	French Language and Literature - General	COLL_UNIV	
102	French Language and Literature - Specialized[7]	COLL_UNIV	

	Other Languages and Literature		(103-109)
103	Comparative Literature	COLL_UNIV	
104	Asian Languages and Literature	COLL_UNIV	
105	Germanic Language and Literature	COLL_UNIV	
106	Italian Language and Literature	COLL_UNIV	
107	Slavic or East European Languages and Literature	COLL_UNIV	
108	Linguistics	COLL_UNIV	
109	Languages and Literature - Other	COLL_UNIV	

	Philosophy		(110-114)
110	Philosophy - General	COLL_UNIV	
113	Political Philosophy	COLL_UNIV	
114	Philosophy - Specialized[8]	COLL_UNIV	

	Religious Studies		(115-119)
115	Religion, Religious Studies	COLL_UNIV	
116	Comparative Religion	COLL_UNIV	
117	Divinity	COLL_UNIV	
118	Theology	COLL_UNIV	
119	Religious Studies - Other	COLL_UNIV	

	Other Humanities and Related Fields		(120-124)
120	Humanities - General (General Arts)	COLL_UNIV	
121	Second Language Training	ALL_UCT	
122	Translation and Interpretation	COLL_UNIV	
123	Creative Writing	COLL_UNIV	
124	Humanities and Related Fields, n.e.c. - Other	ALL_UCT	

SOCIAL SCIENCES AND RELATED FIELDS (125-187)

	Anthropology		(125-129)
125	Anthropology - General	COLL_UNIV	
128	Social and Cultural Anthropology	COLL_UNIV	
129	Anthropology - Specialized[9]	COLL_UNIV	

	Archeology		(130)
130	Archeology	COLL_UNIV	

	Area Studies (Non Languages or Literature)		(131-137)
131	Asian Studies	COLL_UNIV	
132	Canadian Studies	COLL_UNIV	
136	Germanic, Slavic and East European Studies	COLL_UNIV	
137	Area Studies - Other[10]	COLL_UNIV	

	Economics		(138-143)
138	Economics - General	COLL_UNIV	
139	Agricultural Economics	COLL_UNIV	
143	Economics - Other[11]	COLL_UNIV	

---

[6] Includes American, British and Canadian (English) Literature.

[7] Includes French Canadian and European French Literature.

[8] Includes Ethical and Modern Philosophy.

[9] Includes Ethnology and Related Fields, Physical Anthropology and Anthropometry.

[10] Includes Latin American, Caribbean, Near and Middle Eastern Studies.

[11] Includes Econometrics, International Economics, and Labour/Human Resources Economics.

Geography   (144-152)
144   Geography - General   COLL_UNIV
145   Cartography   ALL_UCT
146   Economic Geography   COLL_UNIV
147   Historical and Political Geography   COLL_UNIV
149   Natural Resources Geography   COLL_UNIV
150   Physical Geography   COLL_UNIV
151   Urban/Rural Geography   COLL_UNIV
152   Geography - Other[12]   COLL_UNIV

Law and Jurisprudence   (153-157)
153   Law and Jurisprudence - General   COLL_UNIV
154   Civil, Criminal, Family, Common Law   COLL_UNIV
155   Commercial/Business, Company Law   COLL_UNIV
156   Constitutional/International Law   COLL_UNIV
157   Law - Other   COLL_UNIV

Man/Environment Studies   (158-161)
158   Man/Environment Studies - General   COLL_UNIV
159   Human Ecology   COLL_UNIV
160   Resource Planning and Management   COLL_UNIV
161   Urban, Rural, Regional Planning and Development COLL_UNIV

Political Science   (162-166)
162   Political Science - General   COLL_UNIV
165   International Relations, Foreign Policy   COLL_UNIV
166   Political Science - Specialized[13]   COLL_UNIV

Psychology   (167-171)
167   Psychology - General   COLL_UNIV
168   Child, Adolescent, Developmental Psychology   COLL_UNIV
169   Clinical Psychology   COLL_UNIV
170   Social Psychology   COLL_UNIV
171   Psychology - Other   COLL_UNIV

Sociology   (172-177)
172   Sociology - General   COLL_UNIV
173   Criminology, Penology, Deviance   COLL_UNIV
176   Family Sociology   COLL_UNIV
177   Sociology - Other[14]   COLL_UNIV

Social Work and Social Services   (178-184)
178   Social Work/Welfare - General   COLL_UNIV
179   Child Care Services, Youth Services   ALL_UCT
180   Correctional Technologies   TRADE_COLL
181   Gerontology, Applied   ALL_UCT
182   Police and Para-legal Technologies   TRADE_COLL
183   Protection Services   TRADE_COLL
184   Social Services and Welfare Technologies - Other ALL_UCT

War and Military Studies   (185)
185   War and Military Studies   COLL_UNIV

Other Social Sciences and Related Fields   (186-187)
186   Social Sciences - General   COLL_UNIV
187   Social Sciences and Related, n.e.c. - Other   ALL_UCT

COMMERCE, MANAGEMENT AND BUSINESS ADMINISTRATION (188-220)

Business and Commerce   (188-191)
188   Business and Commerce - General   COLL_UNIV
189   Business Administration   COLL_UNIV
190   International Business and Commerce   COLL_UNIV
191   Business and Commerce - Other   ALL_UCT

---

[12] Includes Human Geography.
[13] Includes Canadian and Comparative Politics.
[14] Includes Demography, Population Studies and Ethnic Sociology.

Financial Management (192-195)

192	Financial Management - General	COLL_UNIV
193	Accounting and Auditing	COLL_UNIV
194	Assessment and Appraisal	COLL_UNIV
195	Financial Management - Other	ALL_UCT

Industrial Management and Administration (196-200)

196	Industrial Management and Relations	ALL_UCT
197	Labour Management and Relations	ALL_UCT
198	Public Administration	COLL_UNIV
199	Personnel/Human Resources Management	COLL_UNIV
200	Industrial Management and Administration - Other	ALL_UCT

Institutional Management and Administration (201-205)

201	Health Care and Services Management	COLL_UNIV
202	Hotel and Food Administration	ALL_UCT
203	Funeral Directing and Embalming	ALL_UCT
204	Tourism and Resort Management	ALL_UCT
205	Institutional Management - Other	ALL_UCT

Marketing, Merchandising, Retailing and Sales (206-210)

206	Customer/Public Relations	ALL_UCT
207	Marketing	COLL_UNIV
208	Merchandising	ALL_UCT
209	Retailing and Sales	ALL_UCT
210	Marketing and Sales - Other	ALL_UCT

Secretarial Science - General Fields (211-220)

211	Secretarial Science - General	ALL_UCT
212	Bank and Financial Clerk	TRADE_COLL
213	Business Machine Operations	TRADE_COLL
214	Court Reporting and Recording	ALL_UCT
215	Health/Medical Records Technology	ALL_UCT
216	Legal Secretary	ALL_UCT
217	Medical Secretary	ALL_UCT
218	Office Accounting/Bookkeeping	TRADE_COLL
219	Word Processing	TRADE_COLL
220	Secretarial/Clerical - Other	TRADE_COLL

AGRICULTURAL AND BIOLOGICAL SCIENCES/TECHNOLOGIES (221-266)

Agricultural Science (221-229)

221	Agricultural Science	COLL_UNIV
222	Animal Science - General	COLL_UNIV
223	Crop Science, Crops, Crop Farming	COLL_UNIV
224	Food Science	COLL_UNIV
225	Horticulture	COLL_UNIV
226	Plant Science - General	COLL_UNIV
228	Soil Science	COLL_UNIV
229	Agricultural Science - Other[15]	COLL_UNIV

Agricultural Technology (230-233)

230	Agricultural Technology	TRADE_COLL
231	Agricultural Business	ALL_UCT
232	General Farming Technology	TRADE_COLL
233	Agricultural Technology - Other	TRADE_COLL

Animal Science Technologies (234-238)

234	Animal Science/Health Technology	TRADE_COLL
235	Cattle/Swine Technology	TRADE_COLL
236	Equine Studies/Horse Husbandry	TRADE_COLL
237	Veterinary Technologies/Animal Health and Care	TRADE_COLL
238	Animal Science Technologies - Other	TRADE_COLL

Biochemistry (239)

239	Biochemistry	COLL_UNIV

---

[15] Includes Poultry Science.

Biology (240-244)

240	Biology - General	COLL_UNIV
241	Genetic and Developmental Biology	UNIV_ONLY
242	Microbiology	COLL_UNIV
243	Molecular Biology	UNIV_ONLY
244	Biology - Other	COLL_UNIV

Biophysics (245)

245	Biophysics	UNIV_ONLY

Botany (246-248)

246	Botany - General	ALL_UCT
247	Botany - Other	COLL_UNIV
248	Plant Sciences - Specialized	COLL_UNIV

Household Science and Related Fields (249-254)

249	Household and Domestic Science	ALL_UCT
250	Consumer Studies	ALL_UCT
251	Clothing and Textiles	TRADE_COLL
252	Food Nutrition, Dietetics and Dietary Technology	ALL_UCT
253	Food Services and Preparation	TRADE_UCT
254	Home Economics	ALL_UCT

Veterinary Medicine/Science (255-256)

255	Veterinary Medicine	COLL_UNIV
256	Veterinary Science	COLL_UNIV

Zoology (257-262)

257	Zoology - General	COLL_UNIV
258	Animal Anatomy, Ecology, Genetics or Histology	COLL_UNIV
259	Entomology	COLL_UNIV
260	Fisheries Biology	COLL_UNIV
261	Marine/Ocean Biology	COLL_UNIV
262	Zoology - Other	COLL_UNIV

Other Agricultural and Biological Sciences/Technologies (263-266)

263	Fish Farming, Fish Technologies and Processing	TRADE_COLL
264	Food Processing Technologies - General	TRADE_COLL
265	Hunting and Trapping	TRADE_COLL
266	Agricultural and Biological Sciences/Technologies - Other	ALL_UCT

ENGINEERING AND APPLIED SCIENCES (267-301)

Architecture and Architectural Engineering (267-269)

267	Architecture - General	COLL_UNIV
268	Architectural Engineering Design	COLL_UNIV
269	Architecture - Other	COLL_UNIV

Aeronautical and Aerospace Engineering (270)

270	Aeronautical and Aerospace Engineering	COLL_UNIV

Biological and Chemical Engineering (272-273)

272	Biomedical, Biological or Clinical Engineering	COLL_UNIV
273	Chemical Engineering	COLL_UNIV

Civil Engineering (274)

274	Civil Engineering	COLL_UNIV

Design/Systems Engineering (275)

275	Design/Systems Engineering	COLL_UNIV

Electrical/Electronic Engineering (276-278)

276	Computer Engineering	COLL_UNIV
277	Electrical/Electronic Engineering	COLL_UNIV
278	Music and Recording Engineering	COLL_UNIV

Industrial Engineering (279)

279	Industrial/Manufacturing Engineering	COLL_UNIV

Mechanical Engineering (280-282)

280	Mechanical Engineering - General[16]	COLL_UNIV
282	Power Engineering	COLL_UNIV

Mining, Metallurgical and Petroleum Engineering (283-286)

283	Geological Engineering	COLL_UNIV
284	Metallurgical Engineering	COLL_UNIV
285	Mining Engineering	COLL_UNIV
286	Petroleum Engineering	COLL_UNIV

Resources and Environmental Engineering (287-289)

287	Agricultural Engineering	COLL_UNIV
288	Environmental/Resource Engineering[17]	COLL_UNIV
289	Fisheries, Marine, Ocean Engineering	COLL_UNIV

Engineering Science (291-292)

291	Engineering Science	UNIV_ONLY
292	Engineering Physics	UNIV_ONLY

Engineering, n.e.c. (293)

293	Engineering, n.e.c.	COLL_UNIV

Forestry (294-298)

294	Forestry	COLL_UNIV
295	Forest Harvesting, Management, Protection	COLL_UNIV
296	Forest Wildlife Management	COLL_UNIV
298	Forestry - Other[18]	COLL_UNIV

Landscape Architecture (299-301)

299	Landscape Architecture	COLL_UNIV
300	Garden Design	ALL_UCT
301	Landscape Technology	TRADE_COLL

ENGINEERING AND APPLIED SCIENCE TECHNOLOGIES AND TRADES (302-369)

Architectural Technology (302-303)

302	Architectural Technology	TRADE_COLL
303	Architectural Drafting	TRADE_COLL

Chemical Technology (304-307)

304	Chemical Technology	TRADE_COLL
305	Biochemical Technology	TRADE_COLL
306	Plastics, Fibreglass and Rubber Technology	TRADE_COLL
307	Textile Processing Technology (Dyes)	TRADE_COLL

Building Technologies (308-317)

308	Boat, Shipbuilding and Naval Architecture	ALL_UCT
309	Building Technology	TRADE_COLL
310	Construction Electrician	TRADE_COLL
311	Drywall, Plastering, Lathing	TRADE_COLL
312	Heat and Insulation	TRADE_COLL
313	Interior Finishing	TRADE_COLL
314	Masonry (Brick, Stone, Concrete)	TRADE_COLL
315	Plumbing and Pipe Trades	TRADE_COLL
316	Welding Technology	TRADE_COLL
317	Woodworking, Carpentry	TRADE_COLL

Data Processing and Computer Science Technologies (318-321)

318	Data Processing - General	TRADE_COLL
319	Computer Science Technology	TRADE_COLL
320	Computer Programming and Software	TRADE_COLL
321	Microcomputer and Information Systems	TRADE_COLL

---

[16] Includes Instrumentation Engineering.
[17] Includes Water Resources and Watershed Engineering.
[18] Includes Silviculture.

Electronic and Electrical Technologies (322-327)

322	Electronic Technology	TRADE_COLL
323	Electrical Technology	TRADE_COLL
324	Microwave and Radar Technology	ALL_UCT
325	Radio and Television	TRADE_COLL
326	Telecommunications Technology	ALL_UCT
327	Electronic and Electrical Technologies - Other	TRADE_COLL

Environmental and Conservation Technologies (328-332)

328	Environmental Technology - General	TRADE_COLL
329	Earth Resources Technology	TRADE_COLL
330	Forest Conservation Technology	TRADE_COLL
331	Renewable Resources Technology	TRADE_COLL
332	Wildlife and Fisheries Conservation	TRADE_COLL

General and Civil Engineering Technologies (333-339)

333	Civil Engineering Technologies - General	TRADE_COLL
334	Construction Technologies	TRADE_COLL
335	Drafting - General	TRADE_COLL
336	Drafting - Specialized	TRADE_COLL
337	Engineering Design and Instrumentation Technology	TRADE_COLL
338	Piping Technologies (Non-plumbing)	TRADE_COLL
339	Surveying and Photogrammetric Technology	TRADE_COLL

Industrial Engineering Technologies (340-348)

340	Industrial Engineering Technology - General	TRADE_COLL
341	Air Conditioning and Refrigeration	ALL_UCT
342	Clothing/Fabric Product Manufacturing	TRADE_COLL
343	Machinist/Machine Shop	TRADE_COLL
344	Pattern Making	TRADE_COLL
345	Power Sewing	TRADE_COLL
346	Sheet Metal	TRADE_COLL
347	Tool and Die	TRADE_COLL
348	Industrial Technologies - Other	ALL_UCT

Mechanical Engineering Technologies (349-358)

349	Mechanical Engineering Technology - General	TRADE_COLL
350	Aeronautical Engineering Technology	TRADE_COLL
351	Agricultural Equipment Mechanics	TRADE_COLL
352	Aircraft and Flight Mechanics Technology	TRADE_COLL
353	Automobile Mechanics Technology	TRADE_COLL
354	Heavy Equipment Mechanics	TRADE_COLL
355	Marine Mechanics Engineering	TRADE_COLL
356	Office/Business Machine Technology	TRADE_COLL
357	Small Engine Repairs	TRADE_COLL
358	Power/Stationary Engineering Technology	TRADE_COLL

Primary Industries/Resource Processing Technology (359-362)

359	Forest Products Technology	TRADE_COLL
360	Mining and Metal Processing	TRADE_COLL
361	Petroleum Technologies	TRADE_COLL
362	Primary Industries/Resource Processing Technologies - Other	TRADE_COLL

Transportation Technologies (363-368)

363	Transportation Technology - General	TRADE_COLL
364	Air Transportation Technology	TRADE_COLL
365	Marine Transportation Technology	TRADE_COLL
366	Motor - Commercial/Public Vehicle Transportation	TRADE_COLL
367	Motor - Other Motor Transportation	TRADE_COLL
368	Rail Transportation Technology	TRADE_COLL

Other Engineering/Applied Science Technologies, n.e.c. (369)

369	Engineering/Applied Science Technologies, n.e.c. - Other	ALL_UCT

| | **Dentistry** | | (370) |
| 370 | Dentistry or Dental Medicine[19] | UNIV_ONLY | |

| | **Medicine - General** | | (375) |
| 375 | General Practice Medicine | UNIV_ONLY | |

	Medicine - Basic Medical Science		(376-383)
376	Medical Anatomy	UNIV_ONLY	
377	Medical Biochemistry and Medical Biophysics	COLL_UNIV	
380	Medical Neurophysiology	UNIV_ONLY	
381	Medical Pharmacology	COLL_UNIV	
382	Medical Physiology	UNIV_ONLY	
383	Basic Medical Sciences - Other[20]	COLL_UNIV	

	Medical Specializations (Non-surgical)		(384-388)
384	Neurology	UNIV_ONLY	
385	Paediatrics	UNIV_ONLY	
386	Psychiatry	UNIV_ONLY	
387	Radiology	COLL_UNIV	
388	Medical Specializations (Non-surgical) - Other	COLL_UNIV	

	Paraclinical Sciences		(390-393)
390	Medical Immunology	UNIV_ONLY	
391	Medical Microbiology	UNIV_ONLY	
392	Medical Pathology	UNIV_ONLY	
393	Medical Parasitology, Virology and Bacteriology and Other Paraclinical Sciences	UNIV_ONLY	

	Surgery and Surgical Specializations		(394-398)
394	Surgery - General	UNIV_ONLY	
395	Obstetrics and Gynaecology	UNIV_ONLY	
396	Orthopaedic Surgery	UNIV_ONLY	
398	Surgical Specialties - Other[21]	UNIV_ONLY	

	Nursing		(399-406)
399	Nursing - General	COLL_UNIV	
402	Medical, Surgical, Hospital Nursing	COLL_UNIV	
403	Obstetric Nursing	COLL_UNIV	
404	Psychiatric Nursing and Mental Health Care	COLL_UNIV	
405	Public Health and Community Nursing	COLL_UNIV	
406	Nursing - Other[22]	COLL_UNIV	

	Nursing Assistance		(407-410)
407	Nursing Assistant, Assistant Nursing	TRADE_COLL	
408	Health Care Aide/Support	TRADE_COLL	
409	Long Term Care Aide	TRADE_COLL	
410	Nursing Aide, Orderly	TRADE_COLL	

| | **Optometry** | | (411) |
| 411 | Optometry | COLL_UNIV | |

	Pharmacy and Pharmaceutical Sciences		(412-413)
412	Pharmacy	COLL_UNIV	
413	Pharmaceutical Sciences/Technology	COLL_UNIV	

	Public Health		(414-418)
414	Public Health[23]	ALL_UCT	
415	Community Medicine and Health	ALL_UCT	
416	Dental Public Health and Hygiene	COLL_UNIV	
417	Epidemiology and Biostatistics	COLL_UNIV	
418	Industrial Health, Medicine and Hygiene	ALL_UCT	

---

[19] Includes Dental Science, Orthodontic, Paedodontics, etc.

[20] Includes Medical Embryology/Genetics.

[21] Includes Plastic Surgery.

[22] Includes Critical Care and Geriatric Nursing.

[23] Includes Preventive Medicine and Veterinary Public Health.

	Rehabilitation Medicine		**(421-424)**
421	Rehabilitation Medicine - General	COLL_UNIV	
422	Audiology and Speech Pathology and Therapy	COLL_UNIV	
423	Occupational and Physical Therapy	COLL_UNIV	
424	Physiotherapy	COLL_UNIV	

	Medical Laboratory and Diagnostic Technology		**(425-429)**
425	Medical Laboratory Technology	COLL_UNIV	
426	Biological Laboratory Technology	ALL_UCT	
427	Biomedical Electronic Technology	ALL_UCT	
428	Dental Laboratory Technology	ALL_UCT	
429	Radiological Technology	COLL_UNIV	

	Medical Treatment Technologies		**(431-439)**
431	Chiropractic Technology	COLL_UNIV	
432	Dental Assistant	TRADE_COLL	
433	Emergency Paramedical Technology	TRADE_COLL	
434	Mental Health and Retardation Technology	TRADE_COLL	
435	Respiratory Technology	TRADE_COLL	
436	Ultrasound and Ultrasonagraphy	TRADE_COLL	
437	X-ray - Medical Technology/Radiography	TRADE_COLL	
438	X-ray - Radiotherapy/Nuclear Medicine	TRADE_COLL	
439	Medical Treatment Technologies - Other[24]	TRADE_COLL	

	Medical Equipment and Prosthetics		**(440)**
440	Medical Equipment and Prosthetics	ALL_UCT	

	Other Health Professions, Sciences and Technologies, n.e.c.		**(441)**
441	Health Professions, Sciences and Technologies, n.e.c. - Other	ALL_UCT	

MATHEMATICS AND PHYSICAL SCIENCES (442-480)

	Actuarial Science		**(442)**
442	Actuarial Science	COLL_UNIV	

	Applied Mathematics		**(443-447)**
443	Applied Mathematics - General	COLL_UNIV	
444	Computer Science - General	COLL_UNIV	
445	Computer Science - Systems Design and Analysis	COLL_UNIV	
446	Operations Research	COLL_UNIV	
447	Applied Mathematics - Other	COLL_UNIV	

	Chemistry		**(448-454)**
448	Chemistry - General	COLL_UNIV	
449	Analytical Chemistry	COLL_UNIV	
451	Organic and Inorganic Chemistry	COLL_UNIV	
452	Physical Chemistry	COLL_UNIV	
454	Chemistry Specialties - Other[25]	COLL_UNIV	

	Geology and Related Fields		**(455-462)**
455	Geology, Geological and Earth Sciences	COLL_UNIV	
456	Geochemistry and Geochronology	COLL_UNIV	
457	Geophysics and Geomorphology	COLL_UNIV	
459	Mineral Geology	COLL_UNIV	
462	Geology and Related Fields, n.e.c.[26]	COLL_UNIV	

	Mathematical Statistics		**(463)**
463	Mathematical Statistics	UNIV_ONLY	

	Mathematics		**(464)**
464	Mathematics	COLL_UNIV	

	Metallurgy and Materials Science		**(465)**
465	Metallurgy and Materials Science	COLL_UNIV	

---

[24] Includes Cardio-pulmonary Resuscitation.

[25] Includes Spectroscopy.

[26] Includes Hydrogeology, Hydrology, Petrology, Petrography, Stratigraphy and Sedimentology.

	Meteorology		(466)
466	Meteorology	COLL_UNIV	

	Oceanography and Marine Sciences		(467)
467	Oceanography and Marine Sciences[27]	COLL_UNIV	

	Physics		(471-478)
471	Physics - General	COLL_UNIV	
472	Astrophysics and Astronomy	UNIV_UNIV	
473	Atomic and Nuclear Physics	UNIV_ONLY	
474	Chemical Physics	UNIV_ONLY	
477	Theoretical and Mathematical Physics	COLL_UNIV	
478	Physics, n.e.c. - Other[28]	COLL_UNIV	

	General Science		(479-480)
479	General Science	COLL_UNIV	
480	Science Lab Technology	TRADE_COLL	

ALL OTHER N.E.C. (481)

481	**All Other n.e.c.**	ALL_UCT	(481)

NO SPECIALIZATION (482)

482	**No Specialization**	ALL_UCT	(482)

NO POSTSECONDARY QUALIFICATION (485)

485	**No Postsecondary Qualification**	(485)

---

[27] Includes Biological Oceanography, Fisheries Oceanography, and Marine Sciences, n.e.c. - Other.
[28] Includes High Energy, Particle and Solid State Physics.

TEXT NOTES

[1] Defined as including trades, other non-university and university degrees certificates or diplomas.

[2] A question on full-time and part-time school attendance has normally been asked in almost all censuses prior to 1986. Alternative sources of current school attendance data are available in detailed annual enrolment figures published by the Education, Culture and Tourism Division, and in addition, the monthly labour force survey estimates of school attendance published on a monthly basis.

[3] **The Major Field of Study Code Book (R-420)** containing over 8,000 English and 5,000 French entries, used in Head Office Processing to code over 1.25 million sample responses to the MFS question.

PART II

1. The Classified Index and Description of Major Fields of Study Unit Groups

The classified index is a listing of all of the reported write-in entries for the MFS question arranged or organized as sub-units or sub-elements within each unit major field of study. The classified index is derived from the alphabetical index (displayed in the second section) of Part II which in turn is a derivative of all of the listed entries in the MFS code books. The classified and the alphabetical indices presented in this User Guide update the material contained in the MFS code book (R-420) in two senses. First, it reduces or eliminates any entries that were not reported or observed in census questionnaires. And second it includes additional entries that were encountered in the referral operation which addressed unidentified entries and assigned them with pertinent MFS codes.

An added feature of the MFS classified index is that it contains brief descriptions of each unit major field of study, similar to those contained for occupation in the SOC and for industry in the SIC. These MFS description are based on descriptions found in current calendars and brochures of universities, colleges, trade schools, business schools, institutes of technology and other postsecondary educational institutions. Much of the terminology and the phraseology were taken directly from the calendars; in most cases, several descriptions from various institution were amalgamated to form a single description. It should be stressed that the main purpose of these descriptions is to indicate the substantive core of each field so that similar or like fields can be distinguished from one another. The descriptions are not intended to be definitions as such. For example, it is known that the content, methodology and substance of fields of study and training vary over time and across educational institutions. In brief, the present User Guide descriptions and classified index are meant to serve two purposes:

(i)   to provide users with a succinct, current and practical description of unit fields of study; and

(ii) to indicate to users what actual empirical referents (or respondent-provided write-in information) were encountered in the answers to the 1986 Census question on major field of study.

Finally, it should be noted that the descriptions and the sub-elements reflected in the Classified Index will not necessarily be identical in the English and the French versions of the MFS User Guide. Although the French version parallels the English version, its contents will differ according to the differing emphases found in the course and field of study descriptions of French-speaking postsecondary educational institutions.

MAJOR FIELD OF STUDY CLASSIFICATION AND DESCRIPTION OF ELEMENTS

EDUCATIONAL, RECREATIONAL AND COUNSELLING SERVICES (001-046)

Education - General (001)

001 Education - General
General studies in the skills and methods of teaching. This classification is often used in cases where no specialization in teaching had been specified.

Education   Teacher's (College Certificate)

Elementary - Primary Education (002-004)

002 Elementary School Teaching - General
General studies in the skills and methods of teaching at the elementary school level without indication of specialization in any particular field of elementary school teaching.

Childhood Education   Primary Education
Elementary Education

003 Elementary School Teaching - Specialized
Specialized studies in the skills and methods of teaching at the elementary school level. Persons specialized in teaching a particular subject at the elementary level are classified in this category.

Reading (Elementary Education)   Other (e.g., Physical Education, Arts)

004 Pre-school, Kindergarten and Early Childhood Education
Studies in the skills and methods of early childhood education teaching pre-school and kindergarten.

Early Childhood Education   Nursery Aid
Kindergarten Education   Pre-school Education

Secondary Education (Basic) (005-012)

005 Secondary School Teaching
Studies in the skills and methods of teaching at the secondary (high) school level. This classification was often used in cases where no specialization in teaching at the secondary school level had been specified.

Education Secondary   Secondary School Education
High School Education

006 English Language Training
Studies in the skills and methods of teaching English as a first language at the secondary (high) school level or higher. This classification is also used in cases where teaching English was indicated but no level of teaching was specified.

Education - English   English Education

007 French Language Training
Studies in the skills and methods of teaching French as a first language at the secondary (high) school level or higher. This classification is also used in cases where teaching French was indicated but no level of teaching was specified.

French Education

008 Other Language Training
Studies in the skills and methods of teaching languages other than French or English.

Education - Languages

Language Education

009 Mathematics - Science Teaching
Studies in the skills and methods of teaching mathematics at the secondary (high) school level or higher. This classification is also used in cases where teaching mathematics was indicated but no level of teaching was specified.

Computer in Education
Computer Education
Education - Math
Education Biology
Education Mathematics
Education Science
Math and Science Curriculum

Math Education
Mathematics and Education
Mathematics Education
Mathematics Teaching
Science Education
Science Teaching
Secondary Science

011 Social Studies Teaching
Studies in the skills and methods of teaching the social sciences, (including history, sociology, psychology and law).

Education - Geography
Education - Social Studies
Education Geography
Education History
Education Social Studies
Geography Teaching

History for Secondary Schools
History Teaching
Secondary Education Social Studies
Social Studies
Social Studies Education

012 Secondary Basic Curriculum - Other
Studies in the skills and methods of teaching, at the secondary (high) school level, basic curriculum subjects not specified above.

College Preparation
College Preparatory
Curriculum
Curriculum and Instruction
Curriculum Design
Curriculum Development
Curriculum Education
Curriculum Studies

Education - Curriculum
Education Curriculum - Studies
Education in Curriculum Instruction
Education Curriculum and Instruction
Education Curriculum Development
Educational Curriculum
Intermediate Education

Secondary Education (Specialized) (013-019)

013 Adult/Continuing Education
Studies in the skills and methods of teaching adults in continuing education programs.

Academic Upgrading
Adult Education

Continuing Education
Extension Education

014 Art and Fine Art Education
Studies in the skills and methods of teaching arts and fine arts.

Art Education
Dance Teachers' Training

Drama in Education
Fine Art Education

015 Commercial/Business Education
Studies in the skills and methods of teaching commercial and business administration skills.

Business Education
Business Education Secretarial
Business Teacher Education

Commercial Teacher Training
Office Education
Teachers Degree Accounting

016 Family/Life Education
Studies in the skills and methods of teaching home economics, household and domestic skills.

Family Life Education
Home Economics Education

Human Relations

017 Industrial/Vocational Education
Studies in the skills and methods of teaching occupational and vocational skills.

Education Technical Teachers Certificate
Education Vocational Art
Industrial Arts Teacher Education
Industrial Education

Industrial Teacher Education
Vocational Education
Vocational Teacher Training

018 Music Education
Studies in the skills and methods of teaching the music curriculum.

Education Music
Music and Education
Music Education

Music Teacher Training
Music Teaching
Musical Education

019 Religious Education
Studies in skills and methods of pastoral or religious teaching.

Christian Education

Religious Education

Special Education (021-026)

021 Special Education Teaching
Studies in the skills and methods of teaching persons with special needs.

Education Special Education
Special Education

Special Education Teaching

022 Highly Gifted or Exceptional Children
Studies in the skills and methods of teaching highly gifted or exceptional children.

Exceptional Children Education

026 Special Education - Other
Other specific special education programs such as multicultural education (mature and other) and remedial reading.

Blind, Teaching of
Deaf Education
Deaf, Teaching of
Developmentally Handicapped Education
Early Childhood Educ. for the Dev. Handicapped
Education of Deaf
Education of Hearing Impaired

Language and Literacy
Learning Disabilities
Multicultural Education
Multicultural Education - Native
Remedial Reading
Sign Language
Special Education Mental Retardation

027 Audio-Visual Educational Media
Training in the use and application of audio-visual educational media such as film projections, overhead projectors, VCRs, etc.

Educational Media
Educational Resources Tech
Educational Tech

Instructional Tech
Learning Resources

028 Educational Administration and Organization
Studies in the system of administration and decision-making in the public school of the province; special topic or subfields include staff relationships the politics of education, finance, administration and teaching roles at all level of the system, community and public relations, and collective bargaining.

Administration - Secondary Schools
Administration and Curriculum (Education)
Administration in Education
Administration of Education
Administration Education(al)
Education and Administration
Education Administration and Curriculum

Education Administrator
Education Supervision
Education(al) Administration
Educational Policy in Administrative Studies
Physical Education Administration
School Administration

029 Educational Psychology
Studies in the nature and conditions of school learning and the development of personality and social behaviour in the school age child; special topics or subfields include: measurement and evaluation, psychological bases of values and moral education, cognitive development and the nature of intelligence, family life education and human sexuality.

Education Teacher Behavioural
Education(al) Psychology
Psychology - Education
Psychology and Education

Psychology Education
Psychopedagogy
School Psychology

030 Educational Statistics and Sociology
Studies in the measurement and evaluation of student performance utilizing a wide variety of testing instruments; educational sociology encompasses the study of school and society and associated cross-cultural issues such as ethnic group structure and immigrant education, social class, poverty and sex roles.

Educational Sociology
Educational Statistics

Sociology of Education

031 History, Philosophy and Theory of Education
Studies in a wide-ranging span of issues and problematics related to the evolution and function of education systems; special topics or subfields include critical analyses of the social, economic and political factors which directly impinge upon the nature of schooling and learning.

Education(al) Foundations
Education(al) Theory
History of Education

History Education
Philosophy of Education

032 Paraprofessional Teacher Aide/Educational Support
Studies undertaken for auxiliary educational staff in support of the teaching enterprise; paraprofessional teacher aides develop proficiencies in the use of audio-visual educational equipment as well as other teaching resources such as computers, graphic materials and outdoor education.

Teacher Assistant
Teacher's Aide

Teachers Assistant

Physical Education, Health and Recreation (033-039)

033 Physical Education and Health
Studies in the theory and practice of physical and health education; special subfields or topics include physical growth and motor development, bio-mechanics, movement education, homeostatic physiology, athletic training and coaching methods.

Education Physical Education
Health and Fitness
Health Education
Physical and Health Education

Physical Education
Physical Education and Health
Physical Education Teaching (Certificate)

034 Kinesiology and Kinanthropology
Kinesiology is the holistic study of human movement and physical performance; it entails an examination of specific topics such as motor control, the physiology of exercise, biodynamics, biomechanics and kinanthropology.

Biomechanics
Human Kinetics
Human Performance

Kinanthropology
Kinesiology

035 Recreology, Recreation and Leisure Studies
The study of the use of leisure time in the context of both public and recreational services; this field subsumes a number of specialties such as recreational leadership and administration, faculty operations, programming coordination and therapeutic recreation.

Aquatics
Community Recreation
Leisure Education
Leisure Services
Municipal Recreation
Physical Education and Recreation
Recreation
Recreation(al) Administration

Recreation(al) Education
Recreation(al) Facility Management
Recreation(al) Leadership
Recreation(al) Management
Recreation(al) Tech
Recreation(al) Therapy
Recreology

036 Parks/Forest/Wildlife Recreation
Studies in the techniques and processes related to a variety of outdoor recreational activities in national and provincial parks and forests, as municipal and human service agencies and in private sector operations such as ski areas and fishing and hunting guides. Emphasis is on the acquisition of practical skills such as wilderness, first aid, backpacking, orienteering and nature interpretation.

Forest Recreation
Outdoor Education
Outdoor Recreation
Outdoor Recreation Management

Park and Recreation
Parks Recreation
Wildland Recreation
Wildlife Recreation

037 Travel and Tourism
Study and training related to essential practices in the administration and delivery of services in the travel and tourism industry; some of the practices include tariff and ticketing, fare construction, international travel and health requirements; much of the content of courses in this area are accredited under the auspices of the Canadian Institute of Travel Counsellors.

Tourism
Tourism and Transportation
Travel
Travel and Tourism (Consultant)
Travel Agent

Travel (Consultant)
Travel Counsellor
Travel Program
Travel Tourist

038 Sports Technology
Studies related to the overall administration of sport programmes at the professional, amateur and recreational levels; this area of study also includes athletic training and management which deals with the theory and practice of the prevention and rehabilitation of sport injuries.

Athletics

Coach

Figure Skating Coaching

Figure Skating (Instructor)

Sports and Athletics

Sports Administration

Sports Science

039 Physical Education, Health and Recreation
Includes specialized areas of study such as Physical Fitness Instructor.

Aerobics Dancing

Fitness (Instructor)

Gymnastics Coach

Physical Fitness

Counselling Services and Personal Development (040-044)

040 Counselling Services - General
Studies in general educational counselling activities related to topics such as group leadership skills, interviewing skills, helping relationships, group processes, human sexuality, career and vocational guidance.

Counselling

Counselling and Guidance

Counselling Services

Personal Development

041 Counselling Psychology
The study of the application of psychological principles to problems related to human development, maturation, socialization, peer group processes, human sexuality, educational decision-making, career choice and planning.

Counselling and Psychology

Counselling Psychology

Educational Psychology Counselling

Psychology Counselling

042 Marriage, Family/Life Skills Counselling
The study of issues related to marriage and family life. Topic include parenting, the family in contemporary society, adolescent interpersonal relationships, the family life cycle, marital dissolution, problems of single parent families, communication skills, role changes and the effect of crises on marital and family relationships.

Family Counselling

Life Skills Counselling

Life Skills Program

Social Counselling

043 Vocational Guidance and Counselling
The study of career education counselling from the point of view of planning and decision making. Emphasis is placed upon setting realistic options for the student to choose from.

Career Orientation

Education(al) Guidance (Counselling)

Guidance

Guidance Counselling

Guidance Education

Job Readiness Counselling

School Counselling

Vocational Rehabilitation (Counselling)

Woman in Trade and Technology

044 Counselling Service and Personal Development - Other
Other specific courses or fields of study in counselling services and personal development such as addiction and drug abuse counselling, rehabilitation counselling and special care counselling.

Addiction Counselling

Counselling for the Mentally Retarded

Drug Abuse Counselling

Mental Retardation Counsellor

Rehabilitation Counselling

Special Care Counselling

045 Education, n.e.c. - Other
Other educational fields of study, such as Community Education.

    Community Education

046 Postsecondary Teacher Training
Training program for teachers in postsecondary educational institutions, primarily nursing, theology and other higher education programs.

Education - Post Secondary	Nursing School Instruction
Higher Education	Theology Education
Nursing Education	

FINE AND APPLIED ARTS (047-079)

Fine Arts (047-052)

047 Fine Arts - General
Studies at the university and college levels associated with the theoretical and applied aspects of art using a wide variety of materials, media, techniques, concepts and experience. Areas of activity include drawing, painting, print-making, sculpture, ceramics, film and video, photography and extended media.

Fine Art(s)

048 Aesthetics and Art Appreciation, Art Studies
A subfield or specialty in Fine Art, concentrating on the criteria utilized in determining the quality of art.

Aesthetics	Art Decoration
Architectural Art	Artistry
Art	Esthetics
Art Conservation	Studio Art

049 Art History
The study of architecture, painting, sculpture and other arts from ancient times to the present; the context of study is the philosophical religious, intellectual and social trends that characterize and in many ways define successive historical periods.

Art and Art History	Art History
Art and History	

050 Painting and Drawing
The study of the principles and the techniques associated with developing skills in visual articulation in two dimensions. Also includes illustration which is an applied art form incorporating design principles related to effecting visual communications.

Art - Drawing	Drawing and Painting
Art - Fine Painting	Fine Arts - Painting
Art Painting	Illustration
Drawing	Painting

051 Pottery and Ceramics
The study of the principles and the techniques associated with developing skills in the understanding and usage of basic materials, processes and concepts of pottery and ceramics production. The study entails an exploration of the physical and chemical properties of clay as well as an appreciation of traditional practices such as throwing (wheel work) soft slab construction, extruding, casting mould and model making, jiggering and glazing.

Ceramics	Pottery

052 Sculpture
Study of approaches to and techniques of working with various sculptural media such as wood, stone or clay in the configuration of three dimensional artistic objects.

Sculpture

053 Music, Musicology
The study and the practice of music in terms of the acquisition of knowledge and skills in musical history and research, performance and composition. Special areas of study include theory of music, ethnomusicology, symphony, bar training, major instruments and music marketing.

Applied Music
Classical Music
Fine Arts Music

Music
Music Performance
Musicology

054 Composition and Conducting
A subfield of music which concentrates upon the acquisition of knowledge and skills of writing in score, arranging, orchestration and sound synthesis.

Composition Music

Music Composition

055 Musical Instruments
Practice and study aimed at the acquisition of technical competence in performance of musical instruments (such as piano, percussion, winds, woodwinds, strings, guitar, trombone, French horn and trumpet).

Music - Piano
Piano Concentration
Piano Performance

Piano Tech
Piano Tuning and Technology

056 Music History and Music Theory
The study of the history and the theory of music as it has evolved over the centuries in Europe, Asia, the Americas and other major regions of the world.

Music History
Music Performance and Literature

Music Theory

057 Vocal Music, Singing, Opera
A specialized subfield of music concentrating on the development of vocal performance in areas such as opera or the classics, jazz and modern or popular music.

Church Music
Music - Voice
Music Theatre
Opera

Singing
Vocal Music
Vocal Performance Music

Other Performing Arts (058-061)

058 Performing Arts - General
Studies and training in the major aspects of performance related to the Canadian and international entertainment industry. The major areas include singing, acting, music theory and dance. Concentration can be applied to any of the following subfields: voice, acting dialect, mime, improvisation, singing, dance (tap, jazz, ballet) choreography, act pacing, audio, TV, audition techniques, stagecraft and technical production.

Performing Arts

Performing Arts Management

059 Dance
Training and development of techniques and knowledge related to dance as an art form and as a preparation for careers as professional performers or as dance teachers. The three main facets of dance are classical, contemporary and jazz. Dance study also entails a knowledge of music reading, anatomy, kinesiology, dance history and partnering.

Ballet

Dance

060 Drama

The study of dramatic art forms and techniques in the performance of plays, classical and modern, and in other forms of acting and dialogue as experienced in television, radio, motion picture and the stage.

Acting	Dramatic Arts
Drama	Fine Arts and Drama

061 Theatre

The study of the practice of theatrical productions including theatre technology which entails areas such as stage management, carpentry, drafting, lighting props, costume and sound. Theatre studies concentrate upon acting techniques, movement, voice, textual analysis and audition techniques.

Costume Design	Theatre
Costume Studies	Theatre Arts

Commercial and Promotional Arts (062-064)

062 Commercial Art/Promotional Art - General

The study of techniques, processes and other applications in the preparation for career opportunities in the advertising industry. Some facets of this field of study include drawing composition, layout, colour management and perspective specific applications include package design and commercial sign writing.

Commercial Art(s)	Graphic Communication
Commercial Design	Package Design
Commercial Sign Writing	

063 Advertising Art

A comprehensive training ground for students with career aspirations in professional advertising design and graphic reproduction in industrial and commercial enterprises. Specific applications include direct mail advertising, display, outdoor advertising, advertising for studies, television, transportation, business forms, calendars, display, greeting cards, newspapers, magazines and business suppliers.

Advertising and Graphic Design	Creative Communications
Advertising Art(s)	Sign Painting
Advertising Design	Sign Writing

064 Modelling

Study and practice program for persons wishing to pursue careers in modelling or a fashion-related career; examples of the latter include: wardrobe consultant, make-up artist, professional host/hostess, self-improvement instructor or consultant, photo stylist or cosmetic salesperson.

Fashion Modelling	Professional Modelling
Modelling	

Graphic and Audio-visual Arts (065-070)

065 Graphic Art and Design

The acquisition of practical experience and knowledge in the field of illustration, sketching and mechanical artwork; studies focus on typography, photography and the fundamentals of the design of books, posters, business publications, advertisements, symbols and logos.

Art Graphic Design	Graphic Design
Graphic Artist	Graphic Technician
Graphic Art(s)	Graphics
Graphic Arts Administration	Graphics Design
Graphic Arts Management	

066 Lithography and Print Making
Studies in the reproduction of images and text from litho metal plates produced by photo-lithographic techniques and run on an offset press. Print making is the reproduction of both black and white and colour images on paper and other materials, including fabric and cloth.

Fine Arts Printmaking	Print Making
Lithographic Stripping	Screen Process Printing
Lithography	Silk Screen Printer
Lithography and Print Making	

067 Photography
An applied art which provides training for students in the commercial and artistic aspects of photography; studies concentrate on the process of forming visible images (in both colour and black and white) directly or indirectly by the action of light or other forms of radiation on photosensitive surfaces.

Applied Photography	Photographic Tech
Photoengraving	Photography
Photographic Arts	Photography Commercial

069 Printing and Publishing
Study of the techniques of typography and typesetting utilized in the production of books, newspapers, magazines and other communication media. A recent technique is that of electronic publishing which allows for the desktop production of final products; videotext page creation and computer graphics allows students to learn to use interactive software and hardware technology that is greatly expanding the facilities of publishing print and visual material.

Book Editing (and Design)	Printing
Bookbinding	Printing Management
Compositor	Printing Production
Graphic Arts Printing Tech	Printing Tech
Letter Press - Printer	Publishing
Linotype Operator	Typesetting
Offset (Press) Printing	

070 Audio-visual Arts
Study of the techniques and the skills associated with the production of audio (sound) and visual (image) forms of communication in corporate, industrial and educational environments. Some major areas of study include slide/tape presentation, single, double and multi-projections, basic film and videotape production.

Audio Visual (Tech)	Visual Arts
Experimental Arts	Visual Communications

Creative and Design Arts (071-073)

071 Creative and Design Arts
A multifaceted discipline which is aimed at developing personal creative expression and aesthetic sensitivity balanced by an understanding of the cultural impact, societal applications and other roles of the design artist. One of the more specific and popular forms of this discipline is Fashion Design which provides students with professional training in the development, production and presentation of apparel design.

Art and Design	Dress Design(ing)
Communication and Design	Fashion (Arts)
Creative Arts	Fashion Design(er)
Creative Fashion Design	Fashion Technique and Design
Design	Jewellery (Arts)
Design Arts	Textile Design

43

072 Handicrafts (Arts and Crafts)
Handicrafts is a manual art or trade in which the fashioning of materials (such as wood, fibre, metal, stone, enamel, clay or precious stones) follows the principle and practices of past and contemporary crafts persons. Some specific crafts reported in the 1986 Census were engraving, glass-blowing, goldsmithing, leather working, millinery, taxidermy and weaving (see also 051 Pottery and Ceramics and 052 Sculpture).

Arts and Crafts	Goldsmith(ing)
Basket Weaving	Handicraft
Craft and Design	Leather Working
Embroidery	Millinery
Engraving	Needlework
General Crafts	Taxidermist
Glass Blowing	Weaving
Glass-working - Ornamental	

073 Interior Design and Decorating
Study of the practice and theory of rendering techniques, space planning, architectural drafting, ergonomics model building, history of architecture, contemporary furnishings, and other skills necessary for a career as an interior designer, or an interior design technologist or assistant. Interior designers are employed in studios, architect's offices, hotel, motel and institutional chains, contract furniture chains and large corporations.

Decorating	Interior Design
Interior Decorating	Painting and Decorating
Interior Decoration Design	

Other Applied Arts (074-079)

074 Applied Arts - General
The study of techniques, procedures and theories related to the practice of applied arts in general.

Applied Arts	Material Arts
Applied Arts and Science	

075 Barbering
A program designed to produce professional barbers, some specific techniques and skills include styling, cutting, shampooing, shaping and colouring chair; shaving and trimming beards and mustaches; facial and scalp massaging; fitting, maintaining and styling hairpieces.

Barber	Barbering
Barber Styling	Barbering and Hairdressing

076 Beauty Culture and Cosmetology
Training program designed to train students in a complete range of hair services, cosmetics and manicures, involving the care and professional treatment of skin, hair and nails.

Beautician	Electrolysis
Beauty Culture	Esthetician
Cosmetics	Hairdressing Cosmetology
Cosmetology	

077 Hairdressing
Hair styling, cutting, waving, colouring and relaxing techniques.

Hairdresser	Hairstyling
Hairdressing	Hairstylist

078 Upholstery and Furniture

Training program for persons acquiring knowledge and skills necessary for employment in the upholstery trade. Emphasis is placed on all aspects of furniture repair: gluing and refinishing of wood; springing; measuring, cutting; sewing and fitting covers, the use of air staplers and trade sewing machines.

Furniture Design and Production
Furniture Refinishing Tech
Furniture Renovation
Furniture Technology

Furniture Upholstery
Upholstering
Upholstery

079 Applied Arts - Repair and Renovation

Trade techniques applied to the repair and renovation of manufactured products such as cameras, clocks, jewellery, musical instruments, fabrics, garments and clothes, shoes and watches.

Camera Repair
Clock Repair
Horology
Jewellery Repair
Musical Instrument Repair

Seamstress
Shoe Repair
Shoemaking
Watch Making
Watch Repair

HUMANITIES AND RELATED FIELDS (080-124)

Classics, Classical and Dead Languages (080-082)

080 Classics, Classical Studies
Classics is concerned with the languages, literature, philosophy, myth, religion, politics and the history of ancient Greece and Rome.

Classical Civilization	Classics
Classical Studies	

081 Ancient Greek, Latin and Roman
Study of ancient Greek, Latin and Roman languages and literature.

Classics - Greek	Latin
Greek and Latin Literature	

082 Classical Languages - Other
Study of other classical languages and philology such as Hebrew, Hindi and Sanskrit.

Classical Languages	Hebrew
Classical Philology	

History (083-087)

083 History - General
Study of past events as evidenced in what people have thought, said and done.

History	History and Philosophy
History and Economics	History and Political Science
History and Languages	History and Sociology

084 Canadian History
Study of the past political, social, economic and cultural development of the people of Canada.

Canadian History	Western Canadian History
History Canadian	

085 Medieval and Ancient History
Study of the past social and cultural origins and development of the medieval and ancient civilizations.

Ancient History	Mediaeval History
Egyptology	Medieval Studies
Greek and Roman History	

087 History - Other
Other specialized subfields of history such as Modern History, British History, Economic History and combined History studies such as History and Political science.

British History	History - Politics
Economic History	History and Arts
European History	History English
French History	History Psychology
German History	Modern History
History - Political Science	Russian History

088 Library/Documentation Science

Library science is the study of methods and approaches to translating library materials and services so as to maximize their utilization in the pursuit of knowledge and information. Recent advances in electronic technology and information management have greatly enhanced library facilities for a variety of user groups.

Archival Studies
Cataloguing
Information Science
Librarian(ship)
Library (Arts)

Library Assistant
Library Science
Library Service
Library Tech
School Librarian

089 Museology, Museum Technology

Study of the nature of museum work and heritage preservation in general. Specific applications include standards of collection registration and cataloguing, collections theory and policy, artifact analysis, production of exhibits, displays and dioramas.

Curatorial Art
Museology

Museum Studies
Museum Technology

Mass Media Studies (090-093)

090 Mass Media Studies - General

More commonly known now as Communication Arts or Communications, this field covers a broad range of specialities, including print and broadcast journalism, broadcast and film production, advertising and public relations media advisors, communication and its relation to law, technology, politics, education, entertainment and other social and cultural concerns.

Applied Communication
Communication Arts
Communication Studies
Communications

Mass Communication
Mass Media Studies
Media Resources

091 Cinematography, Film Studies

Cinematography is the art, science and technology of producing motion picture films. Film studies is the discipline concerned with the history, criticism, theory and practice of the cinema both as an art form and as a documentary record of our times.

Animation
Camera Operation
Cinema (Studies)
Cinematography
Film
Film and Communications

Film and Television
Film and Video
Film Making
Film Production
Film Studies
Motion Picture Production

092 Radio-television

Radio and television arts is practiced in broadcast journalism and radio-television and film production of programs, series and special events coverage. Specific training at the college and university levels often entails on-the-job training at on-campus facilities.

Broadcasting (Communications)
Radio
Radio and Television
Radio and Television Arts
Radio and Television Broadcasting
Radio and Television Communications

Radio Broadcasting
Television (Arts)
Television Broadcasting
Television Production
TV Broadcasting

093 Journalism and News Reporting
Program of studies and training to provide students with the professional skills and educational basis for a career in news reporting, editing and writing for newspapers, magazines, radio and television.

Broadcast Journalism

Journalism

English Language and Literature (094-098)

094 English Language and Literature - General
The study of the English language from its British origins to its presence in other English-speaking areas of the world. English literature in its various genres such as poetry, prose, the drama and the novel, are the main objects of study.

Arts - English
English
English Language

English Language and Literature
English Literature
English Literature History

098 English Language and Literature - Specialized
More specific and advanced studies of particular aspects of English literature such as American Literature, British Literature, Canadian Literature and Dramatic Literature.

American Literature
Canadian Literature
Dramatic Literature
English and Drama

English and Theatre
English Arts
English Canadian Literature
English Drama

French Language and Literature (099-102)

099 French Language and Literature - General
The study of the French language from its origin in France and in other French-speaking regions of the world. French literature in its various genres such as poetry, prose, the drama and the novel, are the main objects of study.

Arts - French
French
French Language

French Language and Literature
French Literature
French Studies

102 French Language and Literature - Specialized
More specific and advanced studies of particular aspects of French literature such as French Canadian Literature and European French Literature.

Conversational French

French Canadian Literature

Other Languages and Literature (103-109)

103 Comparative Literature
The study of literature in its international context and the comparison of literary phenomena taking into account the interrelation of humanistic and social science disciplines such as history, philosophy, psychology, and sociology. Some specific topics include the analysis of the historical flow of literary archetypes and symbols, the role of folklore and myth and recurrent problems of literary theory and criticism.

Comparative Literature

104 Asian Languages and Literature
The study and acquisition of proficiency in the languages and literature of Asia, such as Chinese, Japanese, Korean and Vietnamese.

Chinese (Language and Literature)	Korean
Japanese (Language and Literature)	Vietnamese

105 Germanic Languages and Literature
The study and acquisition of proficiency in Germanic language and literature.

German	German Literature
German Language	Germanic Languages
German Language and Literature	

106 Italian Languages and Literature
The study and acquisition of proficiency in Italian language and literature.

Italian	Italian Language and Literature
Italian Language	Italian Literature

107 Slavic or East European Languages and Literature
The study and acquisition of proficiency in slavic language and literature, particularly Russian, Polish, Ukrainian, Czech and Slovak.

Polish Language and Literature	Slavic (Languages and Literature)
Russian (Language and Literature)	Ukrainian

108 Linguistics
Study of how languages function and operate. Specific areas of study include grammatical theory, language divergence and convergence in space and time, socio-cultural stratification of linguistic systems, normal and pathological language behaviour and language learning.

Applied Linguistics	Linguistics
Arts Linguistics	Romance Linguistics
French Linguistics	

109 Languages and Literature - Other
The study of other modern languages and literature such as African, Indian, and Spanish.

African Literature	Literature
Foreign Languages	Modern Languages
Greek	Modern Languages and Literature
Indian Languages American	Spanish
Language Arts	Spanish Language
Languages	Spanish Literature
Languages and History	

Philosophy (110-114)

110 Philosophy - General
The academic study of forms of thought as expounded in the recorded works of the world's great philosophies and philosophers ranging from Plato and Aristotle, Augustine and Aquinas, Descartes, Hume and Kant, Hegel, Mill and Marx, to James, Russel and Wittgenstein.

Philosophy	Philosophy and Psychology
Philosophy and History	

113 Political Philosophy
The specialized study of forms of political thought and theories of the state and government, social justice and political economy.

Philosophy and Political Science
Political Economy

Political Philosophy
Political Science and Philosophy

114 Philosophy - Specialized
Other specialized forms of philosophical study such as ethics, modern philosophy, logic and philosophies of art, mathematics, religion and science.

Chinese Philosophy
History of Philosophy
Logic
Philosophy of Art

Philosophy of Mathematics
Philosophy of Religion
Philosophy of Science

Religious Studies (115-119)

115 Religion, Religious Studies
The academic study of religion involves the examination of many forms of religious life, including such major traditions as Buddhism, Christianity, Hinduism, Islam and Judaism, from a variety of perspectives (historical, philosophical, social scientific, textural).

Bible Courses
Bible School
Bible Studies
Biblical Studies

Philosophy and Religious Studies
Religion
Religion and Philosophy
Religious Studies

116 Comparative Religion
Study of religion in an international context and from the point of view of examining diverse religious thought.

Church History
Comparative Religion
Religion and Culture

Religion Culture
Religious Culture and History

117 Divinity
Program of study designed for theological and professional preparation of students for the ordained ministry and for other specialized ministries.

Divinity

118 Theology
The scholarly discipline and study of religious traditions, thought and practices. Theology contains many specialties or subfields such as Christian Theology, Sacred Scripture and Theology, Reform Theology and Liberation Theology, to name but a few.

Bible and Theology
Christian Theology
Clergy
English Theology
Ministry
Ministry Religious Studies
Missiology
Missions Theology

Pastoral Theology
Practical Theology
Religion and Theological Work
Spiritual Theology
Theological Studies
Theological, Religious and Ethical Studies
Theology

119 Religious Studies - Other
Other religious studies such as Pastoral studies and ministry, missionary training, canon law, biblical literature and Salvation Army courses.

Biblical Literature
Canon Law
Christian Ministry
Law Church
Missionary Training
Pastoral Care

Pastoral Counselling
Pastoral Ministry
Pastoral Studies
Priesthood
Salvation Army

Other Humanities and Related Fields (120-124)

120 Humanities - General (General Art)
Refers primarily to persons who indicated Arts or General Arts, Humanities or Liberal Arts to the major Field of Study question.

Arts
General Arts

Humanities
Liberal Arts

121 Second Language Training
Course of studies designed to prepare teachers of either English or French to persons whose mother tongue is neither English nor French. Students of such teachers would be immigrants to Canada with landed status or persons with foreign student visas obtained in their home country.

English - Second Language
English as a Second Language
French as a Second Language

Second Language Training
Teaching English as a Second Language
Teaching French as a Second Language

122 Translation and Interpretation
Training for persons providing translation and interpretation services for government, agencies, and corporations. Much of the emphasis is on English-French translation and interpretation although many other languages are also included.

French - English Translation
French Translation
Interpretation
Translation

Translation and Interpretation
Translation English and French
Translators and Interpreters

123 Creative Writing
Seminar-type courses primarily in fiction, prose and poetry, often given by writers or poets in residences, in which models of contemporary writing are utilized to guide the student writers development.

Creative Writing

English - Creative Writing

124 Humanities and Related Fields, n.e.c. - Other
Other types of studies in the Humanities such as local or regional studies in children's literature.

Childrens' Literature

Folklore

SOCIAL SCIENCES AND RELATED FIELDS (125-187)

Anthropology (125-129)

125 Anthropology - General
The study of the interrelations of biological, social, cultural, geographical and historical aspects of human life from its origins in prehistoric times to present-day societies.

Anthropology

128 Social and Cultural Anthropology
Social Anthropology is the study of social organization and structure among non-literate peoples and isolated societies, as well as other groups in modern society such as peasantry or industrial work groups. Cultural anthropology is the study of the evolution of culture in non-modern societies.

Cultural Anthropology   Social Anthropology
Social and Cultural Anthropology

129 Anthropology - Specialized
Studies in subfields of anthropology such as ethnology and physical anthropology. Ethnology is the study of the origin distribution and relations of races and ethnic groups. Physical anthropology is the study of past and ongoing evolutionary processes (both social and biological) among humans and non-human primates.

Biological Anthropology   Ethnolinguistics
Ethnogeography   Ethnology ·
Ethnohistory   Physical Anthropology

Archaeology (130)

130 Archaeology
The study of the material remains of the cultures of prehistoric peoples through the excavation of sites and the analysis of artifacts. Archaeologists draw conclusions regarding their social organization, their adaptions to their physical environment their use of tools and the development of agriculture and civilizations in the Old and New Worlds.

Archaeology   Archeology

Area Studies (Non Languages or Literature) (131-137)

131 Asian Studies
Interdisciplinary (non-language) studies of East and south Asian countries. East Asian studies focus on China, Japan and Korea, while south Asian studies focus on the history and culture of India, Pakistan, Bangladesh and Sri Lanka.

Asian Studies   Far Eastern Studies
East Asian Studies

132 Canadian Studies
Interdisciplinary studies of the nature and growth of the Canadian nation, in terms of its history, its socio-economic structure, its political organization and its manifold cultures, including its Native, English, French and ethnic components.

Atlantic Canadian Studies   Native Cultural Studies
Canadian Studies   Native Studies

136 Germanic, Slavic and East European Studies

Inter- and multi-disciplinary studies of German, Russian, Slavic and other East European countries and cultures (such as Bulgarian, Hungarian).

German Studies
Germanic Studies
Russian Studies

Slavic Studies
Soviet Eastern European Studies

137 Area Studies - Other

Other multidisciplinary area studies of various regions of the world including Latin America, the Caribbean, Near and Middle East and Africa.

African Studies
American Studies
Ancient Near Eastern Studies
Celtic Studies
Indian Studies and Social Sciences
Islamic Studies

Italian Studies
Latin American Studies
Middle Eastern Studies
Near Eastern Studies
Spanish Studies

Economics (138-143)

138 Economics - General

Economics is the study of how societies, regardless of whether they are capitalist, socialist or communist, deal with the problems of production, distribution, consumption, accumulation and employment, given human demand for goods and services and a limited supply of resources. Some of the more specific aspects of economic analysis includes the operation of markets (or microeconomics), the aggregate flow of outputs (or macroeconomics) and the operation of the money, credit and finance systems.

Applied Economics
Economics
Economics and Commerce
Economics and History
Economics and Law

Economics and Political Science
Economics and Psychology
Economics and Sociology
Economist
Economy

139 Agricultural Economics

An applied discipline using economic theory to solve problems in the agriculture sector. In particular, the field examines methods of improving the management of farms and agribusinesses, the marketing and pricing of agricultural products at all levels in the marketing chain, international trade and resource allocation questions.

Agricultural Economics

143 Economics - Other

Other specialized fields of economic study such as business economics, econometrics, international economic development, labour economics, and urban land economics.

Applied Mathematics and Economics
Business Economics
Development Economics
Econometrics
Economics - Industrial
Economics Administration
Economics Development
International Development
International Economics

Labour Economics
Macroeconomics
Management Economics
Marketing Economics
Math and Economics
Mathematics Economics
Microeconomics
Urban Land Economics

144 Geography - General
Geography is both a natural and a social science concerned with the study of physical and man-made structures and environments. It covers a broad range of topics including current social and economic issues such as acid rain, regional economic disparities, urban transportation, native land claims and the permafrost problem, as well as larger theoretical problems related to the economic, political and social forces producing spatial variations of human and physical phenomena.

Applied Geography   Geography

145 Cartography
Study of the compilation, design and production of topographic and thematic maps and charts as vehicles for the visual and graphic representation of spatial information.

Cartography   Mapping
Map Drafting   Thematic Cartography

146 Economic Geography
A subfield of geography specializing in the study of relationship between man's utilization of the physical environment and the economic conditions related to phenomena such as the manufacture and distribution of commodities. Specific aspects include the spatial organization of agricultural land use, industrial patterns and network, urban land use, regional structures, and the heartland-periphery paradigm.

Economic Geography   Geography and Economics
Economics and Geography   Urban and Economic Geography

147 Historical and Political Geography
A subfield of geography specializing in the study of geographic patterns of population settlement over periods and epochs of time; political geography examines the political/administrative organization of space, electoral geography, geographic aspects of public policy, environment issues vis-à-vis politics and the like.

Geography and History   History and Geography
Historical Geography   History Geography

149 Natural Resources Geography
A subfield of geography specializing in the study of the distribution and use of land, energy, forestry and fisheries. Special emphasis is placed on resource conservation, energy management and natural hazard research.

Biogeography   Geography Resource Management
Geography Environmental Studies   Natural Resources Geography

150 Physical Geography
One of the main fields of geography dealing with physical phenomena and processes; specific topics include meteorology, climatology, global circulation of the atmosphere and oceans, synoptic weather patterns, world climatic regions, soil development and study of landforms.

Physical Geography   Physical Geography and Cartography

151 Urban/Rural Geography
Subfield of geography dealing with the study of the evolution and development of agricultural settlements, villages, towns, and the modern metropolis. Special topics include studies of zoning, transportation, urban renewal, land use mix, land values, residential, commercial and manufacturing land in cities.

Geography and Urban Studies   Urban Geography

152 Geography - Other
Other specialized subfields of geography such as geomorphology, human geography, recreational geography and social geography.

Geography - Geomorphology
Geography Planning
Human Geography

Human Studies
Recreational Geography
Social Geography

Law and Jurisprudence (153-157)

153 Law and Jurisprudence - General
Study and training related to the acquisition of knowledge and competence in the theory and practice of law and jurisprudence as a profession regulated by associations or law societies. This field of study also relates to the training of legal assistants at the community college level.

Human Justice
Justice Administration
Law
Law and Economics
Law and Justice

Law and Sociology
Law Administration
Laws
Legal Administration

154 Civil, Criminal, Family, Common Law
Specific aspects of the theory and practice of law and jurisprudence.

Civil Law
Common Law
Criminal Law

Family Law
Law - Common

155 Commercial/Business, Company Law
Special legal study and training related to commercial enterprises.

Business Law
Commercial Law
Corporate Law
Credit Law

Labour Law
Law Real Estate
Tax Law

156 Constitutional/International Law
Study of law and jurisprudence related to the rule of law in executive government and in the lawmaking process both in a national and in an international context.

Constitutional Law
Customs and Immigration

International Law
International Trade Law

157 Law - Other
Other specialized legal studies such as law and psychology and private law.

Law and Psychology

Private Law

Man/Environment Studies (158-161)

158 Man/Environment Studies - General
An interdisciplinary program of studies oriented toward an analysis and understanding of topics such as natural and managed landscapes, buildings and cities, small groups, communities and whole societies, energy management, environmental and social impact analysis, international development and environmental issues.

Biology and Environmental Studies
Environment Studies

Environmental Studies

159 Human Ecology
Study of the evolutionary and ecological processes of human adaptation and resulting world problems of population, resources and pollution.

Ecology

Human Ecology

160 Resource Planning and Management
Technological and academic study and training related to the needs, constraints and methods of managing the natural resources of given areas or regions of the country. Specific aspects include fish, wildlife, recreation, rangelands, hydrology (water), agriculture, mining, tourism and their interdependencies.

Environmental Planning

Resources Management

Land Management

Resources Planning

Natural Resource Management

161 Urban, Rural, Regional Planning and Management
Study of planning as a process, conceived in broad terms to include policy making, research and decision-making regarding urban, rural and regional development, human settlement and the use of natural resources in the context of sustainable environments.

Architecture Urban Planning

Regional Planning

City Planning

Rural Planning

Community Development

Urban and Regional Planning

Community Planning

Urban and Rural Planning

Community Regional Planning

Urban Design

Community Studies

Urban Development

Municipal Planning and Development

Urban Land

Parks Planning (and Management)

Urban Planning

Planning Technology

Urban Regional Planning

Planning Urban and Regional Resources

Urban Studies

Political Science (162-166)

162 Political Science - General
The study of political institutions and forms of government in nation states and developed and developing societies, currently and throughout history. Special topics include political philosophy and thought, international relations, public policy and administration, electoral behaviour, Canadian government, socialist societies and interest groups.

Political Science

Political Science and Psychology

Political Science and Economics

Political Science and Sociology

Political Science and History

Political Studies

165 International Relations, Foreign Policy
A subfield of political science, concentrating upon analyses of the major issues and themes in international relations and affairs, including the nature of war and the conditions of peace. Foreign policy analysis is directed toward a study of historical and contemporary issues and crises, specifically dealing with the role of political and military rulers and the diplomatic function.

International Affairs

International Relations

International Politics

International Studies

166 Political Science - Specialized
Other subfields of political science such as political science economics, political science history, Canadian government and comparative politics.

Government

Political Science Economics

Political Science History

Politics

Psychology (167-171)

167 Psychology - General
Psychology is both a social and a biological science dealing with the study of the mind and the behaviour of individual organisms. Some special aspects include the study of sensation, perception, learning, memory, cognition, emotions, personality and development.

Applied Psychology

Psychology

Psychology and Biology

Psychology and Economics

Psychology and Philosophy

Psychology and Political Science

Science Psychology

168 Child, Adolescent, Developmental Psychology
Subfields of psychology dealing with the study of social, psychological and cognitive development of the individual from birth to physical and psychological maturation. Child studies and early childhood development programs are becoming prominent specialties at the undergraduate and community college levels.

Child and Development Studies

Child Clinical Psychology

Child Development

Child Psychology

Child Studies

Development Studies

Developmental Psychology

Early Child(hood) Development

Early Childhood Psychology

Human Development

Youth Development

169 Clinical Psychology
The primary focus of clinical psychology is abnormal human behaviour and the study of the interpersonal processes which facilitate constructive changes in individuals and groups. Specific applications include diagnostic formulations, family therapy and other intervention programs.

Clinical Psychology

Experimental Psychology

Neuro Psychology

Physiological Psychology

Psychometrics

170 Social Psychology
The study of the manner in which the attitudes, personality and motivations of the individual influence and are influenced by the structure, dynamics and behaviour of the social group within which the individual interacts. Specific topics include socialization, personality, verbal and non verbal behaviour, attraction and conformity.

Social Behaviour

Social Psychology

171 Psychology - Other
Other specialized subfields of psychology such as bio-psychology, industrial psychology, psychopathology and sport psychology.

Behaviour Modification

Behaviour Science

Behavioural Science(s)

Biopsychology

Business Psychology

Industrial Psychology

Psycho Biology

Psychopathology

Sports Psychology

172 Sociology - General
Social science dealing with the analysis and study of varying human organizations ranging from dyads and families to large-scale social systems such as nations and civilizations. Sociological research is based on a tradition of sociological theory and established empirical practices such as data collection, field work and quantitative methods.

Art Sociology
Sociology
Sociology and Economics
Sociology and History

Sociology and Law
Sociology and Philosophy
Sociology and Political Science

173 Criminology, Penology, Deviance
A multidisciplinary applied subfield of sociology dealing with the study of criminal, delinquent and deviant behaviour and of society's reaction to and treatment of criminological behaviour. Special applications of knowledge gained in this field occur in the areas of law enforcement, corrections, justice administration and public and private security.

Criminology

176 Family Sociology
Study of the development of the contemporary western family and the presence or lack of an extended kin group system. Special emphasis in current studies is placed on changing relations among family members in the context of changing socio-economic and industrial conditions.

Family Studies

177 Sociology - Other
Other specialized subfields of sociology such as demography, rural sociology and social stratification.

Demography
Rural Sociology

Social Stratification

Social Work and Social Services (178-184)

178 Social Work/Welfare - General
A combination of academic studies in social work, social science and the humanities with field practicum experiences designed to provide students with the necessary knowledge values, attitudes and practical skills for professional careers in social welfare.

Social Services Worker
Social Welfare
Social Welfare Administration
Social Work Administration

Social Work(er)
Welfare
Welfare Worker

179 Child Care Services, Youth Services
The primary emphasis of child care and youth services training is the provision of care and treatment for emotionally disturbed and behaviourial disordered children and adolescents. Child care service graduates typically find employment in residential treatment centres, daycare, youth development centres as well as in the areas of counselling, behaviour management and recreational programs.

Child Care
Child Care Counselling
Child Care Program
Child Care Services
Child Care Social Services
Child Care Work(er)

Child Development Services
Childcare Early Childhood
Childcare Youth Development
Day Care Worker
Daycare
Early Child

Early Child Care   Nanny
Early Childhood Care   Social Services - Child Care
Early Childhood Services   Youth Services
Early Childhood Study

180 Correctional Technologies
Training program designed to provide graduates with basic knowledge and skills to operate in the field of corrections which has its main function, the protection of the public and the rehabilitation of the offender. Specific aspects of training in correctional technologies include an understanding of the functions of custody, institutional security, counselling and discharge planning.

Correctional Justice   Correctional Tech
Correctional Officer   Correctional Worker
Correctional Practices   Corrections
Correctional Service   Security Correction

181 Gerontology, Applied
Multidisciplinary study and training related to the phenomenon of the human aging process and the life circumstances of the older person. Various perspectives include family, community and institutional environments of the elderly.

Gerontology (Applied)   Personal Care Worker
Gerontology - Ageing

182 Police and Para-legal Technologies
Studies and training related to the practice of law enforcement and law and security administration in a variety of jurisdictions such as federal police forces, the Royal Canadian Mounted Police, provincial regional or municipal police departments, customs offices, hotel, hospital, industrial and retail security and insurance.

Crime Investigation   Police Administration
Criminal Justice   Police Officer
Criminal Studies   Police Related Services
Law and Security (Administration)   Police Science
Law Enforcement   Police Studies
Law Security   Police Tech
Military Police   Police Training
Para-legal Technologies   Police Work
Police

183 Protection Services
The most predominant field of study reported in this classification was fire fighting which provides fire suppression training for Fire Department personnel.

Fire Control   Fire Protection Tech
Fire Fighter   Fire Science
Fire Fighting   Safety Training
Fire Officer   Safety Systems Tech
Fire Prevention   Security Officer
Fire Protection Engineering   Security Protection Technologies

184 Social Services and Welfare Technologies - Other
Generic training provided for social service workers in residential and community settings dealing with developmentally disabled persons of all ages. Typical courses include family counselling, field-work and mental health intervention.

Behaviour(al) Science Tech   Community Work(er)
Community Resource Worker   Developmental Service Worker
Community Service   Human Service(s) (Worker)
Community Social Service   Native Alcohol Program

59

Psychology Social Work
Social Administration
Social Service Worker

Social Services
Social Work Aide
Welfare Aid

War and Military Studies (185)

185 War and Military Studies
An interdisciplinary program of studies examining the causes and conditions of international and intergroup conflict. Studies range from practical aspects of armaments and machinery to theoretical perspectives on the nature and origins of war throughout history. Special courses are given to military personnel either in-house in National Defense settings or at several military colleges across Canada. Universities also offer programs in the related area of Peace and Conflict studies.

D.N.D. Studies Cert.
Military History
Military Strategy

Military Studies
Military Tactics
War Studies

Other Social Sciences and Related Fields (186-187)

186 Social Sciences - General
Refers primarily to graduates who simply responded "social science" as their major field of study.

Applied Social Science
Arts and Social Science

Human Sciences
Social Sciences

187 Social Sciences and Related Fields, n.e.c. - Other
Refers primarily to graduates who simply respondent "Arts and Science" as their major field of study.

Arts and Science
Labour Studies
Social Development Studies

Social Policy
Women's Studies

COMMERCE, MANAGEMENT AND BUSINESS ADMINISTRATION (188-220)

Business and Commerce (188-191)

188 Business and Commerce - General

Refers to general or basic courses and training taken in business and commerce at the college and university levels. Some of the activities and practices included in this field are business accounting, data processing, finance, purchasing, marketing, administrative practice and theory, decision sciences, economics, political science and computer science.

Business	Business Skills
Business and Commerce	Business Studies
Business and Economics	Commerce
Business College	Commerce and Finance
Business Commerce	Commerce Management
Business Course	Commercial
Business Refresher	Commercial Business
Business School	

189 Business Administration

Training program aimed at preparing men and women for employment in a wide range of managerial positions in business, industry and the public sector. Specific courses of instruction include management skills decision-making, problem-solving, communications, supervision, organizational behaviour, commercial law, marketing, quantitative methods and accounting.

Administration - Business	Management - General
Business Administration	Management Administration
Business Administration Management	Management Information Systems
Business Management	Management Science
Economic and Business Administration	Management Studies
Management	MBA

190 International Business and Commerce

A specialized subfield of Business and Commerce concentrating upon the development of conceptual and analytical skills needed to formulate feasible and effective business and commercial policies and practices in an international setting. With the increasing internationalization (or globalization) of economic and business activity, focus is directed on international trade regulations, licensing and financial procedures, central and subsidiary aspects of multinational companies, banks, and other international financial institutions.

Customs Broker	International Finance
Finance in International Business	Marketing and International Business
International Business	

191 Business and Commerce - Other

Other specialized concentrations in Business and Commerce such as Business Communication, Commerce and Economics Computer Business, Quantitative Business Analysis and Small Business Management.

Business Automation	Commerce and Economics
Business Career	Computer Business
Business Communication	Quantitative Business Analysis
Business Supervision	Small Business Management
Commerce - Economics	Small Businesses

192 Financial Management - General
Training in Finance and Financial Management designed to prepare students for careers in the financial services sector of business which includes banking, insurance, consumer lending, trust company operations, general money management, real estate, income tax and investment portfolio consultation. (Does not include Accounting or Auditing.)

Business in Finance	Finance
Business Administration and Finance	Finance - Business
Business Administration Finance	Finance Management
Business Finance	Financial Management
Corporate Finance	Management and Marketing

193 Accounting and Auditing
Accounting is the process of analyzing and systematically recording, in terms of money, business transactions of a financial nature and summarizing, reporting and interpreting the results of these transactions. Auditing is an official examination of assets, liabilities, revenues and expense accounts.

Accountancy	Accounting Finance
Accountant Assistant	Accounting Management
Accounting	Accounting Tech
Accounting - Administrative Studies	Administration and Accounting
Accounting - Business	Auditing
Accounting - Business Administration	Bookkeeping and Accounting
Accounting - General Business	Business Accounting
Accounting - MBA	Business Administration Accounting
Accounting and Auditing	Business Technology Accounting
Accounting and Bookkeeping	Certified General Accountant
Accounting and Finance	Chartered Accountancy
Accounting and Management	Commerce Accounting
Accounting Administration	Commercial Accountancy
Accounting Bookkeeping	Computer Accounting
Accounting Business	Financial Accounting
Accounting Business Administration	Industrial Accounting
Accounting Business Management	Management Accounting
Accounting Chartered	Registered Industrial Accountant
Accounting Commerce	

194 Assessment and Appraisal
Refers to training in the principles and procedures used by financial agents to estimate values magnitude and quantity, primarily for taxation and insurance purposes.

Appraisal	Claims Adjusting
Appraisal and Assessment	Insurance Adjuster
Appraisal Assessment Technology	Municipal Assessment
Assessment	Property Appraisal
Assessment and Appraisal	Real Estate Appraisal

195 Financial Management - Other
Refers to other specialized aspects of Financial Management such as Banking, Credit Management, Life Underwriting Training and Real Estate.

Banking	Finance and Economics
Banking and Finance	Finance and Investment
Business Insurance	Financial
Commercial Banking	Insurance Administration
Credit Management	Investment
Finance and Commerce	Life Insurance Administration - Management

Life Underwriting Training - LUTC
Market Management
Property Management

Real Estate
Stockbroker
Underwriting

Industrial Management and Administration (196-200)

196 Industrial Management and Relations
Training program for persons pursuing careers in the management and administration of small, medium and large industrial companies and firms. Kinds of training include new methods study, plant and facility layout, work measurement, purchasing, materials handling, production planning, scheduling and control, quality assurance, traffic and transportation, manpower management and union-management issues.

Commerce - Industrial Relations
Industrial Management

Industrial Relations
Organizational Behaviour

197 Labour Management and Relations
The study of the relationship between management and labour in the context of unions, collective bargaining, conciliation and dispute resolution. Also includes specific studies of related aspects such as job pricing, systems of job evaluation, wage payment systems, profit sharing, arbitration affirmative action, grievance and appeal procedures, wrongful dismissal, and related government legislation.

Labour Management
Labour Relations

Personnel and Labour Relations

198 Public Administration
Training program for persons pursuing careers in the public service at the regional, municipal, provincial or federal levels of government. Course content includes topics such as public policy, social reform, tax reform, government-labour relations, public finance, urban and municipal law.

Administration
Administrative
Administrative Management
Administrative Studies
Government Administration

Local Government Administration
Municipal Administration
Policy and Administration
Public Administration
Public Policy

199 Personal/Human Resources Management
Program designed to prepare students for careers in personnel administration and management in a variety of commercial, industrial and public sector settings. Specific topics include personnel selection, job analysis and appraisal, affirmative action, equal pay for work of equal value, broad based incentive plans, occupational health and safety, employment equity and related legislation.

Administration Personnel
Human Resources
Human Resource(s) Management
Personnel
Personnel and Administrative Studies

Personnel and Industrial Relation
Personnel Administration
Personnel Management
Supervision and Administration

200 Industrial Management and Administration - Other
Other specialized areas of study in Industrial Management such as engineering management, operations management, supervising management and transportation management.

Apparel Management
Aviation Management
Computer Management
Engineering Management
Factory Management
Management Supervisory
Manufacturing Management

Operations Management
Production and Operations Management
Production Management
Supervisory Management
Time Study
Transportation Management

201 Health Care and Services Management
Program of studies designed for health care and services managers and administrators. The study of the delivery of health care services in Canada covers topics such as the pattern, structure, personnel and financial operations in the field of health care and other studies such as the Royal Commission on Health Care, the Castonguay Report, the Hastings Report and the Lalonde Report.

Administration Nursing	Hospital Administration
Health Administration	Nursing Administration
Health Care Administration	Nursing Management
Health Care Management	Nursing Services Administration
Health Services Administration	

202 Hotel and Food Administration
Program designed for persons interested in careers in the hospitality and tourism industry. Generally combined with an on-the-job practicum or internship. The course content deals with specific applied aspects such as room management, food preparation, lounge operations, catering, public relations, marketing, menu planning.

Culinary Management	Hotel and Restaurant Management
Food and Beverage Management	Hotel Management
Food Administration	Hotel Manager
Food Business and Management	Hotel Motel Management
Food Service(s) Management	Hotel Motel Operations
Hospitality Services Food and Beverage Mgmt.	Hotel Motel Restaurant Management
Hotel - Motel - Restaurant Management	Hotel Resort - Restaurant Management
Hotel - Motel Management	Hotel Restaurant Administration
Hotel and Food Administration	Hotel Restaurant Management
Hotel and Resort Management	Management Hotel
Hotel and Restaurant Administration	Restaurant Management

203 Funeral Directing and Embalming
Program of study and training designed to prepare administrators for positions as licensed funeral directors. The program stresses the important therapeutic function which the funeral services have for relatives and friends of deceased persons.

Embalming	Funeral Director
Funeral Directing	Funeral Service
Funeral Directing and Embalming	Mortuary Science

204 Tourism and Resort Management
Similar to "202 Hotel and Food Administration", but more specifically oriented to tourism, leisure and recreation activities, such as golf course management, resort management and ski area management.

Golf Course Management	Resort and Hotel Management
Hospitality	Resort Management
Hospitality and Tourism Management	Ski Area Management
Hospitality Administration	Tourism Industry Administration
Hospitality Services	Tourism Management
Leisure and Recreation Management	Travel and Tourism Administration

205 Institutional Management - Other
Other specialized or generic studies in institutional management.

Arena Management	Correctional Facilities Administration
Arts Administration	Institutional Management
Building Management	

206 Customer/Public Relations
Training for persons pursuing careers as professional public relations practitioners. The basic core of modern public relations theory and practice in the creation of goodwill and ensuring the timely and accurate dissemination of information about an organization's operations. Emphasis is placed on oral and written communication, effective media interaction, special events product promotion and direct response marketing.

Customer Relations   Public Relations

207 Marketing
Program of studies centred around that aspect of business enterprise concerned with the promotion and generation of markets for the purchase and sale of customer-satisfying goods and services. Marketing thus entails advertising, market research, graphic arts, media involvement, layout, design and copywriting.

Advertising   Marketing and Management
Automotive Marketing   Marketing Administration
Business - Marketing Administration   Marketing Finance
Business Administration Marketing   Marketing General Business
Business Marketing   Marketing Management
Commerce Marketing   Marketing Real Estate
Finance Marketing   Marketing Research
Marketing   Parts Marketing
Marketing and Business Administration   Personal Marketing
Marketing and Finance   Retail Marketing
Marketing and Industrial Relations   Sales Marketing

208 Merchandising
Program designed to prepare students for careers in the fields of display, visual or fashion merchandising, and to provide an understanding of business concerns as they relate to artistic techniques such as basic design drawing, colour theory, drafting, store planning, perspective drawing, fashion history, typography, layout and paste-up.

Automotive Merchandising   Merchandising Management
Distribution Technology   Merchandising Marketing
Fashion Merchandising   Merchandizing
Merchandising   Retail Merchandising
Merchandising Administration

209 Retailing and Sales
Deals specifically with retailing as an industry in which direct sales are made to consumers from retail outlets in shopping malls and other locations. Topics include advertising, window display, sales, credit and accounting.

Advertising Sales   Retailing
Business Retailing   Retailing and Merchandising
Cosmetic Retail Management   Sales
Fashion Retailing or Services   Sales and Marketing
Insurance Sales   Sales Clerk
Real Estate Sales   Sales Management
Realtor   Salesmanship
Retail Management   Salesperson
Retail Sales   Selling Course
Retail Selling   Storekeeper and Purchasing

210 Marketing and Sales - Other
Other specific aspects of marketing, merchandising, retailing and sales such as auctioneering, insurance, inventory control and purchasing.

Agriculture Parts Marketing
Auctioneering
Commercial and Industrial Sales
Insurance
Inventory Control
Inventory Management

Marketing and Sales
Purchasing
Purchasing Management
Security Salesman
Supply and Service

Secretarial Science (211-220)

211 Secretarial Science - General
Program designed to prepare trainees to perform general and specific secretarial and office administration procedures such as typewriting, shorthand, communications, word and information processing, filing, bookkeeping, office equipment operations.

Administrative Secretary
Bilingual Secretary
Business and Office Procedure
Business Secretarial
Business Secretary
Certified Clerk/Typist
Clerical Secretary
Clerical Steno
Clerk Stenographer
Clerk Typist
Clerk Typist Secretarial
Clerk Typist Stenographer
Commercial - General
Commercial Secretarial
Commercial Stenographer
Dicta Typing
Dicta Typist
Dictaphone Typist
Engineering Secretarial
English Stenography
Executive Secretary
Office Administration
Office Management
Office Practice
Office Procedure
Office Studies
Office System Management
Office Training
Professional Secretary
Receptionist
Receptionist - Typist

Receptionist Clerk Typist
Secretarial
Secretarial - Business
Secretarial and Administration
Secretarial Arts
Secretarial Business
Secretarial Clerk Course
Secretarial General Office
Secretarial Science
Secretarial Service
Secretarial Shorthand
Secretarial Skills
Secretarial Stenographer
Secretarial Studies
Secretarial Technology
Secretarial Training
Secretarial Typing
Secretarial Work
Secretarial/Business
Secretary
Secretary - Bilingual
Secretary - Executive
Secretary Stenographer
Shorthand
Shorthand and Typing
Shorthand Typing
Special Commercial
Steno
Steno Typist
Stenographer
Typing

212 Bank and Financial Clerk
Program providing basic training for bank tellers and financial clerks in the balancing procedure used by financial institutions (such as banks, trust companies, savings and loans and credit unions). Specific topics include interest rate calculations, service charges, bonds and coupons, safekeeping, foreign currency, money orders, night deposits, traveller's cheques, credit cards, personal loans and mortgages.

Bank and Finance Clerk
Bank Clerk
Bank Teller

Cashier Course
Teller Training

213 Business Machines Operations
Refers to training provided for students in the operation of automated office equipment such as world and data processors. Older graduates in the field reported specialization in the use of Comptometers. Modern computer applications are evident in areas such as payroll systems, accounting systems, and records control.

Accounting Machines
Business Machine Operations
Business Machines

Comptometer
Switchboard Operator
Telephone Operator

214 Court Reporting and Recording
Training provided for persons seeking careers in court reporting and recording. Graduates are able to prepare word-for-word record of testimony given in courtroom proceedings, boards of inquiry, public hearings, conventions and conferences. The court reporter is also trained to administer oaths and mark exhibits.

Court Recording
Court Reporting

Court Steno Reporting

215 Health/Medical Records Technology
Program of academic and clinical training designed for health and medical record technicians, employable in the medical record department of hospital clinics and other health service facilities. The training entails lectures, laboratory exercises and practical experience. Computerization and record linkage are becoming increasingly important tools in the recording and utilization of health information.

Health Record Administration
Health Record (Tech)
Medical Records

Medical Records Librarian
Medical Records (Tech)

216 Legal Secretary
Specialized training designed to meet the demand for auxiliary personnel in the legal profession. In addition to the standard secretarial skills such as word processing, and shorthand, training is directed toward a study of legal procedures, terminology and documents related to litigation, real estate, estate planning and company practices.

Law Clerk
Legal Assistant
Legal Office Administration

Legal Secretary
Legal Stenographer

217 Medical Secretary
Specialized training designed for medical secretaries. Standard secretarial skills are taught along with additional courses in medical terms, operative reports, discharge summaries, case histories, medical office procedures and medical accounting.

Medical Dictatypist
Medical Office Assistant
Medical Secretary

Medical Stenographer
Medical Transcription
Secretary - Medical and Dental

218 Office Accounting/Bookkeeping

Current office accounting training and procedures emphasize the use of the microcomputer as an essential tool. Some basic programs such as MS-DOS (or Microsoft Disk Operating System) are considered to be standard. Bookkeeping training introduces students to develop journalizing and posting skills as well as to the use of computer spreadsheet packages.

Accounting Clerk
Accounting Secretary
Bookkeeper Clerk
Bookkeeper Typist
Bookkeeping
Bookkeeping and Secretarial
Bookkeeping and Typing
Bookkeeping Clerk
Bookkeeping Clerk Typist
Bookkeeping Secretary
Bookkeeping Typing
Business Bookkeeping

Clerical Accounting
Clerical Bookkeeping
Clerk Accounting
Clerk Bookkeeper
Clerk Typing and Bookkeeping
Clerk Typist and Accounting Clerk
Clerk Typist Bookkeeper
Secretary Bookkeeping
Typing and Bookkeeping
Typing Bookkeeping
Typing Shorthand and Accounting

219 Word Processing

Specialized instruction dealing specifically with advanced word processing techniques and equipment (including reprographics, micrographics, photocomposition, electronic mail, management information systems, keyboarding, programming and magnetic filing).

Computer Word Processor Operator
Legal Word Processing
Secretary of Word Processing
Word Process Operator
Word Processing
Word Processing - Clerk Typist

Word Processing - Operator
Word Processing Computer
Word Processing Secretary
Word Processing Specialist
Word Processor

220 Secretarial/Clerical - Other

Other various training activities in secretarial/clerical field such as business technology, inventory clerk, stockroom clerk, and supply technician.

Business Clerical
Business Office Studies
Business Office Training
Business Practice
Business Science
Business Technology
Business Training
Clerical
Clerical Assistant
Clerical Clerk
Clerical Course
Clerical Office Training
Clerk

Commercial - General Clerical
Customs Clerk
Hospital Unit Clerk
Industrial Records
Inventory Clerk
Office Clerk
Records Certificate
Records Management
Shopkeeper and Stockman
Speedwriting
Stock-Room Clerk
Supply Technician
Typing and Office Work

Agricultural Science (221-229)

221 Agricultural Science
The scientific study of the production of plants and animals for human consumption, more specifically dealing with soil cultivation and the breeding and management of crops and livestock.

Agricultural Science
Agriculture

Agriculture Science

222 Animal Science
The scientific study of animal life, categorized in terms of avian species (layer, broiler, breeder, quail and pigeon) beef cattle, sheep, swine, fish, and wild mammals, from several disciplinary perspectives - e.g., nutrition, physiology, genetics, production management, behaviour, embryology, wildlife management and aquacultural science.

Agriculture - Animal Science
Animal Nutrition

Animal Science
Animal Science Agriculture

223 Crop Science, Crops, Crops Farming
Also designated as Agronomy which is the study of the principle and procedures of soil management and field crops and special purpose plant improvement management and production. More specific aspects include the study of agricultural fertilizers and chemicals, soils and crop growth, irrigation soil/water relations and water control, land classification, rehabilitation and conservation.

Agriculture Agronomy
Agriculture Crop Science

Agronomy
Crop Science

224 Food Science
Applied science dealing with the study of chemical, physical and physiological properties of post-harvest and post-mortem food tissues, factors leading to food spoilage, and food preservation through methods such as fermentation, freezing, thermal processing, ionizing radiation, dehydration and chemical additives.

Agriculture Food Science
Dairy Science

Food Science

225 Horticulture
Study of the art and science of growing plants; specific applications include plant materials, landscaping, flower, vegetable and fruit production, turf, weeds, insects and diseases, soils and agricultural chemicals.

Agriculture - Horticulture
Environmental Horticulture
Floral Design
Floriculture

Horticulture (Tech)
Ornamental Horticulture
Practical Horticulture

226 Plant Science - General
Generic study of techniques and skills related to plot seeding, forage harvesting, corn harvesting, yield and dry matter determination, seed testing, greenhouse management, bulb forcing and grafting methods (Cf. 223 Crop science, Crops, Crop Farming).

Agricultural Plant Science
Agriculture Plant Science

Plant Science

228 Soil Science

The study of the interactions occurring at the earth's surface between minerals, water, air, plants and other organisms, with the objective of improving the productive capacity of soils and the conservation of non-renewable soil resources which are the basis of the farming and forestry industries.

Agriculture Soil Science   Soil Microbiology
Soil Chemistry   Soil Science

229 Agricultural Sciences - Other

Other specialized subfields of agricultural science such as Agricultural Biology, Agricultural Chemistry, Agrometeorology and Poultry Science.

Agricultural Biology   Agrometeorology
Agricultural Chemistry   Animal and Poultry Science
Agricultural Meteorology   Animal Poultry Science
Agriculture Weed Science   Poultry Science

Agricultural Technology (230-233)

230 Agricultural Technology

Training program directed to the acquisition of general and specific skills related to the operation of farms, either in small, diversified holdings or in large corporate operations. Some specific aspects include animal production, crop production, mechanization and construction, farm management, marketing and financial planning.

Agricultural Engineer(ing) Tech   Applied Agriculture
Agricultural Laboratory Tech   Lab Technology for Agriculture
Agricultural Tech   Vocational Agriculture
Agriculture Tech

231 Agricultural Business

Training in the fundamentals of business practice as it relates to farm management and agricultural production. Some of the applications of this field of study pertain to agricultural lending, agricultural equipment sales and management, fertilizer and chemicals, livestock feed and supplies, farmstead building, rural real estate and farm commodity marketing services.

Agri - Business   Agricultural Production and Management
Agricultural Administration   Agricultural Sales
Agricultural Business   Agriculture Business
Agricultural Business Management   Farm Business (Management)
Agricultural Management   Farm Management
Agricultural Marketing

232 General Farming Technology

General study of agricultural and farming techniques related to field crops, livestock, ranch technology, farmology and gardening.

Agriculture - Field Crops and Livestock   Farm Tech
Agriculture General   Farmology
Farm and Ranch (Tech)   Field Crops Livestock
Farm Operators   Gardening
Farm Operators and Management   General Farming

233 Agricultural Technology - Other
. Other specific subfields of agriculture such as apiculture (or beekeeping), irrigation, pesticides, soils technology, weed control and turf grass management technology.

Agriculture Production	Irrigation Tech
Animal/Plant Research Technician	Pesticides (Tech)
Apiculture	Soil (Tech)
Bee-keeping	Weed Control

Animal Science Technologies (234-238)

234 Animal Science/Health Technology
Training program for paramedical or technical assistant personnel who could be employed with veterinarians engaged in private practice. The practice usually deals with pet animals or farm animals, and in some cases with wild animals. The training covers laboratory analysis of blood, urine and fecal samples, radiographic procedures, sterilization, sanitation, anesthesia and surgery, as well as administrative duties.

Animal Care Tech	Animal Science Tech
Animal Health Tech	Animal Tech

235 Cattle/Swine Technology
Predominantly Dairy Farm training related to normal milking and feeding procedures. Much of the field deals with mechanized and computerized feeding and milking equipment.

Dairy and Maintenance of Dairy Farm	Dairy Tech
Dairy Agriculture	Livestock
Dairy Farmer	Livestock Production
Dairy Herdsman	Range Management
Dairy Production	

236 Equine Studies/Horse Husbandry
Program of study designed to meet the needs and interests of persons interested in raising horses or those seeking employment in the horse industry. Course of studies includes nutrition and feeding, genetics, breeding and reproduction, health and first aid, stable management, training, exercise and riding.

Equine Care	Horse Husbandry
Equine Studies	Western Horsemanship

237 Veterinary Technologies/Animal Health and Care
(Cf. 234 Animal Science/Health Technology) Program preparing students for careers in attending to needs of pet, farm and research animals in veterinary practice, pet shops, humane societies and research establishments. Basic skills include animal handling, clinical hygiene and record keeping, while core topics cover anatomy, physiology, nutrition, disease and laboratory work.

Animal Care	Animal Health Care
Animal Health	Veterinary Tech

238 Animal Science Technologies - Other
Other more specific or specialized fields in animal science technology such as agricultural livestock, animal husbandry, artificial insemination, farrier science and horse shoeing.

Agriculture Livestock	Farrier (Science)
Animal Husbandry	Horse Shoeing
Artificial Insemination	

239 Biochemistry

The study of biological processes or living organisms at the cellular or molecular level. Some specific aspects of biochemistry include the study of brain functions, cellular differentiation, energy utilization by animals, plants and microorganisms, proteins, nucleic acids, lipids, vitamins and hormones.

Biochemistry
Biochemistry Nutrition
Biological Chemistry
Biology and Chemistry
Chemistry and Biochemistry
Chemistry and Biology

Chemistry Biology
Clinical Biochemistry
Cytology
Lipid Biochemistry
Nutrition and Biochemistry
Science Biology and Chemistry

Biology (240-244)

240 Biology - General

The study of living organisms in terms of their form functions, origin and behaviour. Contains a number of specific subfields or specializations such as embryology, anatomy, physiology, cytology, morphology, taxonomy, genetics, evolution and ecology.

Biological Science(s)
Biology
Biology and Psychology

Biology Science
Life Sciences
Science Biology

241 Genetic and Developmental Biology

The study of biological inheritance and the molecular aspects of gene structure and functions and the development of techniques that permit cloning of genes from different organisms. Applications in this field cover such diverse fields as plant and animal developmental biology, virology, immunology and cancer biology.

Biology - Genetics
Genecology
Genetics

Molecular Genetics
Population Genetics

242 Microbiology

Branch of the biological sciences dealing with the study of microorganisms such as bacteria, viruses, parasite and antibiotic substances. Specific areas of study include the genetic code and the gene pool; antigen-antibody reactions and cellular immunity; synthesis of proteins, nuclear acids; membrane structure; biogenesis; cellular differentiation.

Bacteriology

Microbiology

243 Molecular Biology

(Cf. 241 Genetic and Developmental Biology) The branch of the biological sciences which studies the physical and chemical properties of molecules in a cell.

Cell and Molecular Biology
Cellular and Microbial Biology

Molecular Biology

244 Biology - Other

Other specialized subfields of biology, including animal biology, cell biology, environmental biology, immunology and physiology.

Animal Biology
Biology and Horticulture
Cell Biology
Environmental Biology

Human Biology
Limnology
Physiology

245 Biophysics

A hybrid science combining principles of physics and biology to study and to explain the structures of living organisms and the mechanics of life processes.

Biology and Physics   Environmental Biophysics
Biophysics   Molecular Biophysics

Botany (246-248)

246 Botany - General

The study of plant life in all its forms, from viruses to flowering and cultivated plants. At the applied level, special topics include domestication of crops, study of weed control, plant breeding, crop production, agricultural microbiology and integrated pest management.

Botany   Botany and Zoology

247 Botany - Other

Other specialized subfields of Botany, the primary one being Physiology which is the study and classification of freshwater, marine, soil and airborne algae.

Biology Botany   Mycology
Bryology   Phycology
Geobotany

248 Plant Sciences - Specialized

Other specialized Plant sciences such as Plant Breeding, Plant Ecology, Plant Pathology and Plant Physiology.

Plant Biochemistry   Plant Nutrition
Plant Biology   Plant Pathology
Plant Breeding   Plant Physiology
Plant Ecology   Plant Protection
Plant Genetics   Plant Virology

Household Science and Related Fields (249-254)

249 Household and Domestic Science

Program of studies and training related to the preparation of students for employment in home-making agencies. Course content includes topics such as nutrition, home management, accident prevention, caring for children and special groups such as the chronically ill, the terminally ill and the elderly.

Domestic Science   Household Science
Home Sciences   Housekeeping
Homemaker

250 Consumer Studies

Study of the nature and the scope of human consumption behaviour and the interactions of business, the consumer and government in the marketplace for products and services in the general areas of clothing, textiles, foods and housing.

Consumer Studies   Food and Consumer Studies
Family Consumer Studies

73

251 Clothing and Textiles
Study and training in techniques of production related to the user of fibre, filaments, yarn or cloth in the manufacture of clothing and other fabric materials.

Clothing
Clothing (and Textiles)
Dressmaking
Dry Cleaning
Fur, Leather and Suede

Furrier
Home Economics Clothing and Textiles
Sewing
Tailor (Taylor)
Textiles

252 Food Nutrition, Dietetics and Dietary Technology
An interdisciplinary program of studies combining physical, agricultural, biological, health and social sciences designed to give students an understanding of the impact of nutrition on health and its role in disease, metabolic processes, the chemistry of food, and the social and behaviourial determinants of food selection.

Dietary Aid
Dietary Service Tech
Dietary Tech
Dietetics
Dietetics and Nutrition
Food and Drug Tech
Food and Nutrition

Food Science Tech
Food Tech
Human Nutrition
Nutrition
Nutrition Science
Science Nutrition

253 Food Services and Preparation
Training program designed to give food service personnel a grounding in purchasing, storing, handling and preparing food. Includes commercial and professional cooking, baking, catering, culinary arts, bartending, mixology and quantity cooking.

Baker
Baker(y)
Baking
Bartending
Cake Decoration
Catering
Chef
Commercial Cook(ing)
Cook
Cooking
Culinary Arts
Dining Room Service

Food and Beverage
Food and Restaurant Services
Food Handling
Food Preparation
Food Service(s) (Tech)
Hostess Training
Mixology
Professional Cook(ing)
Short Order Cook
Waiter/Waitress (Training)
Waitress(ing)

254 Home Economics
(Cf. 249 Household and Domestic Science) Study of the science and practice of nutrition, food preparation, clothing, housing, consumerism and family development. Specific topics include clothing design and construction, human nutrition, consumer education, family development and household equipment.

Home Economics
Home-Making

Household Economics
Science Home Economics

Veterinary Medicine/Science (255-256)

255 Veterinary Medicine
Professional studies in medical practice aimed at solving animal health problems and injuries, acquiring knowledge of the management of domestic animals and the functioning of the various animal industries.

Animal Medicine
Veterinarian Medicine
Veterinary Medicine

Veterinary Pathology
Veterinary Surgery

256 Veterinary Science

Scientific and research studies of the various approaches to the physiology of mammals. Includes specialties such as reproductive physiology and veterinary epidemiology.

Reproductive Physiology	Veterinary Epidemiology
Veterinarian Science	Veterinary Science

Zoology (257-262)

257 Zoology - General

The study of the structure, functions, taxonomy, morphology and behaviour of animals. Zoology is subdivided into many specialized areas based on groups such as protozoa, insects, fish and mammals and others based on levels of organization or methods of study such as anatomy, physiology, genetics or ecology.

Zoology

258 Animal Anatomy, Ecology, Genetics or Histology

Specialized studies in both research and applied science in areas such as animal breeding and genetics.

Animal Behaviour	Animal Genetics
Animal Breeding	Animal Reproduction
Animal Ecology	Biology Animal

259 Entomology

The study of insects, including their evolution, life histories, food specifity, plant defenses, medical importance and behaviour.

Agricultural Entomology	Entomology
Araneology	Forest Entomology
Biology Entomology	Pest Control

260 Fisheries Biology

Specialized study of the life and behaviour of fish in fisheries.

Aquatic Ecology	Fish Biology
Biological Research - Fish	Fisheries Biology
Biology Fisheries	Fisheries Science
Fish and Wildlife Biology	

261 Marine/Ocean Biology

Specialized study of marine and ocean life.

Aquatic Biology	Marine Biology - Ornithology
Marine Biology	Marine Ecology

262 Zoology - Other

Other specialized subfields of zoological study, but predominantly represented by studies in Wildlife Biology and Wildlife Ecology.

Biology Zoology	Ornithology
Ichthyology	Wildlife Biology
Invertebrate Zoology	Wildlife Ecology
Mammalogy	

263 Fish Farming, Fish Technologies and Processing

Training program designed for persons intending to pursue employment in the aquaculture industry. Graduates develop skills in the operation of hatcheries, the capture and spawning of brook stock, and the marketing of live fish and shellfish. Fish processing involves the learning of marine product processing technology and food engineering.

Aquaculture	Fish Processing
Aquaculture (Tech)	Fisheries
Crab Processing	Fisheries Tech
Fish	Fishing Tech
Fish Culture	Salmonoid Enhancement
Fish Plant Operations	Seafood Processing

264 Food Processing Technologies - General

This field primarily refers to meat processing and meat-cutting (or butchering). Training is directed to the care and safe operation of power meat-cutting equipment, preparation and handling of red meats, poultry, veal and pork.

Brewing - Apprentice	Food Processing (Tech)
Butcher	Food Production
Butchering	Foods
Butter Making	Meat Cutter
Cheese Making	Meat Cutting
Dairy Manufacturing	Meat Inspecting
Dairy Processing	Meat Processing
Food Engineering	Retail Meat Cutting

265 Hunting and Trapping

Training provided in a practicum setting in the traditional skills and practices associated with hunting, trapping and fishing. The predominant area in this category is that of fishing master.

Fishing Guide	Fishing, Hunting and Trapping
Fishing Master	Trapping

266 Agriculture and Biological Sciences/Technologies - Other

Other agriculture and biological sciences/technologies not classified elsewhere, such as florist and natural sciences.

Electron Microscopy	Natural Sciences
Florist	

ENGINEERING AND APPLIED SCIENCES (267-301)

Architecture and Architectural Engineering (267-269)

267 Architecture - General
Professional study in the art and science of designing structures and organizing spaces within and about the built-environment. Architectural study deals with a wide range of issues related to the construction of habitable, public, private and institutional structures.

Architect
Architectural

Architecture

268 Architectural Engineering Design
Studies in the branch of engineering dealing primarily with building materials and with the design of structural systems of buildings.

Architectural Design
Architectural Engineering
Architecture Interior - Design

Building Construction Engineering
Building Design
Construction Engineering

269 Architecture - Other
Other specialized studies in the architectural field such as architectural acoustics, architectural history, computer architecture and restoration architecture. Also includes pre-architecture environmental studies, industrial design and building studies.

Architectural Science
Building Sciences

Industrial Design

Aeronautical and Aerospace Engineering (270)

270 Aeronautical and Aerospace Engineering
Study of the design and construction of aircraft and space vehicles, with particular emphasis on topics such as aerodynamics, flight mechanics, stress analysis, computer-aided design, servo-mechanisms, navigational equipment, hydraulic/pneumatic systems, aeroelasticity and noise control.

Aerodynamics
Aeromechanical Engineering
Aeronautical Engineering
Aeronautics

Aerospace
Aerospace Engineering
Avionics

Biological and Chemical Engineering (272-273)

272 Biomedical, Biological or Clinical Engineering
Studies in the application of engineering technology to the solution of medical problems: examples include the development of prostheses and artificial valves for the heart, various types of sensors for the blind and automated artificial limbs.

Biochemical Engineering
Biological Engineering
Biomedical Engineer(ing)

Genetic Engineering/Immunology
Industrial Microbiology
Medical Engineering

273 Chemical Engineering

Study of the design, development and operation of processes for the chemical and physical conversion of materials. Chemical engineering applications in the chemical process industries include chemical manufacturing, plastics, polymers, petroleum and petrochemical refining, paint, textiles, food processing, nuclear engineering, biochemical (Cf. 272) and pharmaceutical industries.

Chemical Engineering

Nuclear Engineering

Civil Engineering (274)

274 Civil Engineering

Study of the planning, design, construction and maintenance of engineering works of all kinds, such as dams and power projects, bridges, canals, buildings, railways, highways, airports, subways, harbours, water supply and sewage treatment systems. Civil engineering is subdivided into a number of specializations such as structural, transportation, geotechnical, engineering mechanics and water resources.

Building Engineering
Civic Engineering
Civil and Structural Engineering
Civil Engineer(ing)
Military Engineering

Structural Engineering
Survey Science
Survey(ing) Engineer(ing)
Transportation Engineering

Design/Systems Engineering (275)

275 Design/Systems Engineering

Systems Design Engineering encompasses a study of the basic skills required for systems analysis, simulation, optimization and design. Particular applications in this field include: Design and Human systems which specialize in human factors, engineering, ergonomics, occupational health and safety, marketing, etc.; socio-economic systems specializing in large-scale engineering projects such as the James Bay Hydroelectric project in northern Quebec; and Physical and Computer systems specializing in mathematical modelling linear systems, theory, computer-aided analysis and design.

Data Base Systems
Design Engineering
Engineering Design

Engineering Systems Design
Systems Design Engineering
Systems Engineer(ing)

Electrical/Electronic Engineering (276-278)

276 Computer Engineering

Computer (Systems) Engineering is the study of the design and implementation of integrated computer systems considering factors such as functions, performance, cost, size, power requirements, reliability, maintainability and societal impact. Examples include computer network design, Local Area Networks (LANS), remote distributed control stations, telephone switching systems and videotext data storage/transmission/display systems.

Computer Engineering
Computer Systems Engineering

Engineering - Computer Science
Microcomputer Science

277 Electrical/Electronic Engineering

The study of the application of electrical phenomena to the needs of society. This study and training entails research, design and development associated with a wide variety of electrical apparatus and systems. Examples include electronic circuit design and fabrication, communications, power systems and computer information systems.

Communications in Electrical Engineering
Electric Engineering
Electrical Engineer(ing)

Electronic(s) Engineer(ing)
Engineering - Electrical

278 Music and Recording Engineering
Specialized application of electrical/electronic engineering in the area of industrial music arts, and recorded music production.

Music Engineering   Sound Engineering
Recording Engineering

Industrial Engineering (279)

279 Industrial/Manufacturing Engineering
The study of the analysis, design, improvement and operation of integrated systems of people, materials, machines, equipment and information. Industrial engineering applications can be found in all fields of manufacturing, business organizations, banks, railroads, airlines, insurance companies and hospitals.

Control Engineering   Manufacturing Engineer(ing)
Industrial Engineer(ing)   Safety Engineering

Mechanical Engineering (280-282)

280 Mechanical Engineering - General
The study of all forms of the design implementation and operation of mechanical systems associated with land, sea, air and space transportation, primary and secondary manufacturing industries, power generation, utilization and control, environmental control, and other industrial applications.

Engineering Mechanic(al)   Instrumentation Engineering
Hydraulics   Mechanical Engineer(ing)

282 Power Engineering
Engineering technology associated with the operation and maintenance of power plants.

Power Engineer   Power Engineering

Mining, Metallurgical and Petroleum Engineering (283-286)

283 Geological Engineering
An interdisciplinary program of studies directed to analysis, research and exploration related to rocks and soil, their surface and subsurface structure and the application of this knowledge to the planning and construction of dams, buildings, highways and the exploration and development of mineral deposits.

Engineering Geology   Geophysical Engineering
Engineering Geophysics   Geotechnical Engineering
Geological Engineering

284 Metallurgical Engineering
The study of the properties and uses of metals and alloys. The three main subfields are: ore dressing which is concerned with the purification of metal-bearing minerals after they have been mined; chemical metallurgy which involves the extraction of metals by chemical reactions; and physical metallurgy which pertains to the physical properties of metals and alloys, their fabrication and production.

Ceramic Engineering   Mineral Engineering
Metallurgical Engineering

285 Mining Engineering
Study of the processes associated with the excavation and processing of coal and ore to obtain mineral deposits. Some of topics pursued include explosives technology, drilling and blasting, rock mechanics, environmental control, mineral economics, separation systems and mine management.

Mining Engineer(ing)

286 Petroleum Engineering
Study of the engineering processes related to the search for and extraction of oil, gas and liquefiable hydrocarbons.

Hydrocarbon Engineering   Petroleum Geology
Petroleum Engineer(ing)

Resources and Environmental Engineering (287-289)

287 Agricultural Engineering
Study of the application of chemical, biological and physical principles employed in the production of food and fibre produced under a wide range of environmental conditions and agricultural practices. The study more specifically relates to power and machinery (tractors, field implements), structures (livestock housing, crop storage and processing), and soil and water (irrigation, drainage, soil erosion control).

Agricultural Engineering

288 Environmental/Resource Engineering
Study of the means and ends concerned with the reduction of pollution, contamination and other environmental hazards associated with the deterioration of the surroundings in which people live.

Environment(al) Engineer(ing)   Environmental Science
Environmental Quality Control   Resource Engineering
Environmental Resources   Water Resources Engineering

289 Fisheries, Marine, Ocean Engineering
Study of the design, construction, operation and maintenance of plant and other auxiliary machinery associated with the utilization of ships, harbours, fisheries and other marine installations.

Marine Engineering   Ocean Engineering

Engineering Science (291-292)

291 Engineering Science
Study of the application of science to modern technology with the purpose of preparing graduates for careers in applied engineering research, advanced engineering or university teaching and post-graduate studies.

Engineering and Mathematics   Mathematical Engineering
Engineering Science   Science Engineering

292 Engineering Physics
The study of the application of the principles of physics and mathematics in order to solve unusual or complex engineering problems and to develop scientific innovations into practical devices. Some of these applications include electronic devices such as lasers or superconductors, medical research, satellite or telecommunications development, geophysical or oceanographic prospecting.

Engineering Physics   Nuclear Thermal Science
Industrial Chemistry

293 Engineering, n.e.c.
Study of the ways in which the properties of matter and the sources of power are transformed into useful human structures, machines and products.

Engineer

Engineering

Forestry (294-298)

294 Forestry
The study of the science, art and practice of managing, developing and cultivating the natural resources associated with and derived from forest lands. These resources include wood products, water, forage, soil and stream productivity, wildlife, outdoor recreation, and environmental quality.

Forestry
Forestry Engineering

Science and Forestry

295 Forest Harvesting, Management, Protection
Studies in the measures associated with effective organization of a forest in order to ensure continued production of its goods and services.

Forest Engineering
Forest Harvesting
Forest Management

Forest Ranger
Forest Resource Management

296 Forest Wildlife Management
Study of the practices and means of maintaining an ecological balance between forests and their wildlife.

Forestry Wildlife

Wildlife Management

298 Forestry - Other (Including Silviculture)
Other specialized subfields of forestry such as Forest Biology and Forest Ecology as well as Silviculture which is the study of the practice of controlling the establishment, composition and growth of trees.

Civil Culture Forestry
Forest Biology
Forest Ecology

Forest Genetics
Silviculture
Tree Physiology

Landscape Architecture (299-301)

299 Landscape Architecture
Study of the art and applied science of arranging, designing and constructing scenic environments in and around buildings, both public and private.

Environment Design
Environmental Design

Landscape Architect(ure)
Landscape Planning

300 Garden Design
Study of the practice of designing and constructing gardens consisting of floral, arboreal and shrubbery arrangements.

Horticulture and Landscaping
Landscape Horticulture

Landscaping and Horticulture

301 Landscape Technology
Study of the planning design assessment and construction of open space man-made environs that are ecologically appropriate, functionally sound and aesthetically pleasing.

Landscape Architectural Tech   Landscape (Tech)
Landscape Design   Parks Maintenance
Landscape Maintenance

ENGINEERING AND APPLIED SCIENCE TECHNOLOGIES AND TRADES (302-369)

Architectural Technology (302-303)

302 Architectural Technology
Study of the principles of design and planning, modern building methods and structural and environmental engineering related to architectural construction. Some other aspects of the training program includes: architectural drafting, cost estimation, municipal bylaws, art history, basic design principles and applications in the areas of hot water heating, forced air heating, illumination, ventilation, and acoustics.

Architectural Design Tech   Architectural Tech
Architectural Engineering Tech

303 Architectural Drafting
Program of study designed to provide graduates with a grounding in the practices and fundamental principles required to produce working drawings for engineers and other workers engaged in the building industry and other related industries. The student is also trained in specific techniques related to strength of materials, surveying, model building and computer-assisted drafting.

Architectural Drafting (Tech)   Structural Design

Chemical Technology (304-307)

304 Chemical Technology
Study of the practical skills and the theoretical concepts related to a wide range of applications in the chemical industry some of these applications are in the manufacture of inorganic and organic chemicals, including mineral acids, soda ash, caustic soda, fertilizers, pure chemicals, explosives, oils, soaps, plastics), the petrochemical industry (oil refining, fuels production, agricultural products, the manufacture of synthetics), metallurgical and electrometallurgical recovery of metals, mining industry (separating and concentrating ore-bearing minerals), food industry (packing plants, dairies, canning firms, etc.), research institutions (industrial R & D laboratories, government agencies, universities, colleges, atomic energy plants, etc.), and in many levels of government (including public health, environmental testing, and pollution control agencies).

Chemical Engineering Tech   Chemical Processing Operations
Chemical Laboratory Tech   Chemical Tech

305 Biochemical Technology
An interdisciplinary field of study combining the disciplines of biochemistry, genetics and cell biology. Some specific aspects of this field include: specialized techniques in protein chemistry and purification; enzyme chemistry; recombinant DNA methodology; monoclonal antibody generation, purification and modification; cell culture techniques; fermentation technology; and radioisotope techniques.

Bio-science Tech   Biochemistry Tech
Biochemical Tech   Biotechnology

306 Plastics, Fibreglass and Rubber Technology
Study of and practical exposure to production operations, process troubleshooting, productivity improvements, quality control, and standard test procedures on resins, plastics, fibreglass and rubber products. An important element of this training is in the area of fibre-reinforced plastics and their fabrication.

Fibreglass   Plastics Tech
Plastic Fabricating   Rubber and Plastic Products
Plastics Engineering Tech   Rubber Tech

307 Textile Processing Technology (Dyes)
Study of the processes of specialized dyeing of restricted areas on fabrics, involving the preparation of printing paste and the fixing of colour.

Dyeing   Textile Science
Textile Processing   Textile Tech

Building Technologies (308-317)

308 Boat, Shipbuilding and Naval Architecture
Program of study and training designed to provide trainees with the knowledge and skills required in the marine industry. The primary training consists of learning how to construct, maintain and repair craft built by various methods and driven by sails, oars or engines. Naval architecture is the study of the design of hull forms and structure, propulsors and external control systems and the hydrodynamic features of boats and ships.

Boat Building   Shipbuilding
Marine Steel Work   Shipwright
Naval Architecture and/or Ship Building

309 Building Technology
In general, building technology is the study and training related to the construction of houses, including their architectural and structural elements, their mechanical plumbing, draining and electrical systems. (This field overlaps to some extent with "334 Construction Technology" which deals more specifically with large-scale construction projects such as highrise buildings, bridges and roads.)

Building Construction   House Construction
Building Maintenance   Log Cabin Construction
Building Tech

310 Construction Electrician
Training program designed to supply skilled graduates for the electrical industries. Some of the specific skills include: splicing, soldering and insulating, basic wiring circuits; conductors and branch circuits; power-actuated tools; safety and regulatory requirements, troubleshooting and repair.

Construction Electrician   Electrician
Electrical Apprentice   Electrician Industrial
Electrical Construction   Elevator Maintenance
Electrical Wiring   Journeyman Electrician

311 Drywall, Plastering, Lathing
Training program designed for persons to be employed in the building construction industry. Specific aspects of the training include the installation of drywall, metal, plaster bath, stucco and other interior finishings in the construction of buildings.

Dry-wall   Plastering
Lathing

312 Heat and Insulation
Training program designed to provide trainees with job entry skills required for the installation service and of residential and office heating and insulation systems. Some of the specific areas of training includes the knowledge of conversion burners, gas and oil burners, solenoid values, thermostats, gas meters, piping and vaporizers, propane cylinders and tanks, retrofitting heating systems and solar heat.

Asbestos Insulation   Heat and Insulation
Combustion Tech   Heating - Ventilation and Air Conditioning
Furnace Making   Heating and Air Conditioning
Gas and Oil Heating   Heating and Refrigeration
Gas Burner Mechanics   Heating and Ventilating

| Heating (Tech) | Oil Burner Mechanics |
| Insulation | Oil Burner Servicing |

313 Interior Finishing

Training program for persons employable in the building trade concerned with the completion of the interiors of houses and buildings. Specific aspects include carpet installation, floor covering, house painting, decorating, paper hanging and tile setting.

Carpet Installation	Painting - Construction
Carpet Laying	Painting and Decorating, Paper-hanging
Floor Covering	Spray Painting
House Painting	Tile Setting
Interior Finishing	

314 Masonry (Brick, Stone, Concrete)

Training program to enable students to obtain employment in the masonry construction industry. Specific skills and techniques include: power tools, cutting and setting masonry, mortars, wall construction, piers, plasters, buttresses and reinforced concrete.

Brick and Tile	Cement Finishing
Brick Laying	Concrete (Finishing)
Bricklaying and Stone Masonry	Masonry (Construction)

315 Plumbing and Pipe Trade

Training program designed for persons seeking employment in the plumbing trade. Trainees learn how to assemble, install and repair pipes, fixtures and fitting used for water distribution and waste disposal for residential, institutional, commercial and industrial buildings.

Plumbing	Plumbing and Pipe Fitting
Plumbing and Gas Fitting	Sprinkler Fitting
Plumbing and Gas Heating	Steam Gas and Plumbing
Plumbing and Heating	

316 Welding Technology

Training program designed to provide students with skills and knowledge required for employment in the welding field. Some specific techniques and process include fusion welding of ferrous and nonferrous metals; braze welding; oxyacetylene - fusion welding; carbon arc cutting and gouging, basic metal insert gas welding and the operation of wire feed equipment.

Arc and Gas Welding	Steel Fabrication
Arc Welding	Structural Steel
Certified Welding	Underwater Welding
Electric Welding	Welder
Farm Welding	Welder Fitter
Fitter Welder	Welding
Gas Welding	Welding and Fabrication
High Pressure Pipe Welding	Welding Engineering (Tech)
Iron Work	Welding Fitter
Pressure Welding	Welding Tech

317 Woodworking, Carpentry

Program designed to provide trainees with knowledge and skills necessary for employment in residential and commercial building construction. Specific skills include use of hand and power tools, setting frames, framing of walls, roofs stairs, properties of wood, restoration, renovation and repair of buildings and furniture.

Benchwork	Carpentry and Woodwork(ing)
Cabinet Making	Construction Carpentry
Carpentry	Furniture Making and Refinishing
Carpentry and Joinery	Joinery

Journeyman Carpentry	Roofing
Machine Wood-working	Wood Finishing
Millwork and Carpentry	Woodwork(ing)
Precision Woodworking	

Data Processing and Computer Science Technologies (318-321)

318 Data Processing - General
Program designed to train students in the fundamental principals of electronic data processing. Some of the specific aspects of this training include data base construction and design, data communications, operating systems, specialized systems such as DOS/VSE, MS/DOS, UNIX System V, and VM/CMS.

Business Data Processing	Data Processing
Computer Data	Keypunch Operator
Data Entry	

319 Computer Science Technology
Program designed to develop and scientifically-trained technologists with a background in computer systems and programming techniques, with and emphasis on digital hardware, knowledge of assemblers and high level languages for mini and micro computers; knowledge of peripherals and other auxiliary devices, understanding of digital data transmission.

Business Computers	Computer Operations
Computer Electronics	Computer System(s) Tech
Computer Engineering Tech	Computer Tech
Computer Maintenance	Computer(s)

320 Computer Programming and Software
Program designed to develop graduates who can function as applications programmer/analysts. Trainees receive specific instructions in areas such as systems development methodologies, programming techniques including, input/output, file handling, algorithms, flowcharting, subroutines, menu planning, segmentation systems commands, screen formatting, computations, data representation, data base concepts, system analysis and design; hardware and software relationships including main and secondary storage, program translation, and the architecture of processors and computer systems.

Business Computer Programming	Computer Programming
Cobol Programming	Computer Software
Computer Graphics	Data Programming
Computer Languages	Programming
Computer Numerical Control Programmer	Scientific Computer Programming
Computer Operations and Programming	

321 Microcomputer and Information Systems
Program designed for persons seeking career opportunities in the operation of microcomputers. Specific applications in industry, business, and commercial operations include microcomputer-based accounting, recordkeeping, inventory and sales information control systems, and personal systems.

Business Information Systems	Information Systems
Computer Information Systems	Microcomputer Tech
Information Processing	

322 Electronic Technology
Program of study and training designed to produce highly trained electronic engineering technologists for private industry and government establishments. Some specific aspects of the training include circuitry, electronic devices, components, computers, communications automatic control, business and office electronic equipment maintenance and repair, radio and television repair, manufacturing and assembly line production, general electronic repair.

Data Electronics	Electronics Navigational Aids
Digital Electronics	Electronics Servicing
Domestic Electronics	Electronics Tech
Electronic Engineer(ing) Tech	Electrotechnology
Electronic Tech	Industrial Electronic(s)
Electronics	Marine Electronics
Electronics Engineering (Tech)	Technical Electronics

323 Electrical Technology
Program of studies and training designed to prepare trainees for employment as an electrical engineering technician. The program includes instruction in direct current circuits; residential, commercial and industrial wiring, electrical power, rotating machines, industrial electricity, computer aided design, programmable controllers, robotics and heavy electrical generating transmission distribution and motor equipment.

Armature Winding	Electrical Entry
Basic Electrical	Electrical Equipment
Electric Maintenance	Electrical Inspection
Electric Motors	Electrical Instrumentation Mechanics
Electric Power Systems	Electrical Maintenance and Construction
Electric Tech	Electrical Mechanical Tech
Electrical	Electrical Partsman
Electrical Appliance and Repair	Electrical Systems
Electrical Apprenticeship	Electrical Tech
Electrical Contractor	Electricity
Electrical Control (Tech)	Industrial Electrician
Electrical Engineer(ing) Tech	Marine Electrical

324 Microwave and Radar Technology
Study of the use of radar waves in applications such as weather observations and forecasts based on the scattering of radar waves by all types of atmospheric phenomena, and in radar astronomy which utilizes radar pulse techniques to track the movement of meteors, the moon, planets and earth orbiting satellites.

Microwave Engineering	Radar Technology
Radar Operation	Weather Radar

325 Radio and Television
Specialized program of studies and training providing trainees with the knowledge and skills required to maintain and repair radios and televisions. Trainees receive specific instructions in areas such as DC/AC electricity, audio systems, receiver servicing digital systems and distribution systems.

Audioengineering	Radio Electronics
Broadcast (Engineering Tech)	Radio Tech
Commercial Radio	Television Technician
Radio and TV Tech	

326 Telecommunications Technology

A specific program of studies and training designed for telecommunications technologists who are taught skills and techniques to allow computers, terminals, word processors, copiers and telephones to be connected to provide users with the best mixture of processing power and distributed data resources.

City and Guilds	Telegraph (Tech)
Communication(s) Electronic(s) Tech	Telephone Tech
Radio Operator	Teletype
Telecommunication Engineering (Tech)	Wireless Telegraphy

327 Electronic and Electrical Technologies - Other

Other general and specific fields of electronic and electrical technology, such as audio visual technology, appliance repair, electrical power utilities, linesman.

Appliance Repair or Servicing	Electronic Repair
Audio Visual Tech	Electronic Servicing
Electrical Electronics	Linesman
Electrical Sound Control System	Major Appliances
Electricity and Electronics	Small Appliance Repair
Electronic Assembly	

Environmental and Conservation Technologies (328-332)

328 Environmental Technology - General

A multidisciplinary program of study and practical applications of biological, chemical, geological and engineering principals towards an analysis of air and water quality and pollution, solid waste management and occupational health problems. Students are required to acquire analytical skills to detect pollutants in air, water, soil sediment and biological materials; and to know the legal and regulatory requirements for environmental protection.

Conservation Tech	Natural Resources
Energy Systems	Pollution Control Tech
Environment Health Tech	Resources
Environmental Science Enforcement	Sanitation
Environmental Tech	

329 Earth Resources Technology

Program designed for persons seeking careers in the area of air, water, waste and noise management. Employment opportunities are available in provincial and federal government regulatory agencies, environmental consultants offices, pollution control, technical sales and public and private research enterprises.

Air and Water Resource Tech	Natural Science Tech
Commercial Diving	Resource (Engineering Tech)
Earth Resources	Water Resources (Tech)
Land Resources and Classification	Water Science(s) (Tech)

330 Forest Conservation Technology

Program designed for persons seeking employment in the area of forest conservation technology. Specific practices taught include fire prevention, pollution control, soil conservation and tree farming. (Cf. 359 Forest Products Technology)

Forest Conservation	Resource Technician Forestry
Forest Fire Prevention	

331 Renewable Resource Technology
Training program designed to develop technologists with a background for entry into the growing renewable resources industry. This field covers energy conservation (e.g., solar energy, insulation etc.) and waste management and recycling.

Renewable Resources (Tech)

332 Wildlife and Fisheries Conservation
Program designed for persons seeking employment in the area of fisheries management, water quality assessment, wildlife management and environmental investigation and assessment, commercial and sport fisheries, big and small game, waterfowl and fur management.

Fish and Wildlife (Tech)   Wildlife Conservation Tech
Fisheries Management

General and Civil Engineering Technologies (333-339)

333 Civil Engineering Technologies - General
Training programs to provide students with the technical skills and knowledge required in the civil engineering and construction industries. Some specific aspects include: design, construction and maintenance of roads, pipelines, airports, subways, bridges, building, dams, railways, water and sewage treatment plants.

Civil Engineer(ing) Tech   Civil Tech
Civil Technician   Structural Engineering Tech

334 Construction Technologies
Program designed to prepare students for careers in the construction industry in positions such as construction analysts, site inspectors, surveyors and draftsmen. Studies include construction methods heavy equipment mechanics, surveying, planning, schooling, estimating, building laws and codes, reinforced concrete and structural steel.

Back-hoe	Estimating - Construction Trades
Bridgeman	Fitter Mechanic
Bulldozer Driver	Front Loader Operator
Construction	Grader Operator
Construction Engineer(ing) Tech	Heavy Duty Equipment Operator
Construction Management	Heavy Equipment Operator
Construction Tech	Heavy Machine Operating
Crane Operator	Hoisting Engineer
Dozer Operator	Rigger
Equipment Operation	Road Construction

335 Drafting - General
Program designed to provide trainees with the knowledge and skills necessary to obtain employment as a draftsman. Drafting is used by all fields of engineering to describe the size and shape of structures and the mechanisms to the workers who are to build, operate, service or repair them. Almost all current graduates in drafting have learned and applied new technologies associated with computer assisted drafting (CAD).

Blue Print Reading	Industrial Drafting
Drafting (Tech)	Survey(ing) Drafting
Draughting	Technical Drafting
Engineering Drafting (Tech)	

336 Drafting - Specialized
More specialized program of instruction in drafting skills and knowledge, concentrating on specific applications or techniques includes design drafting, electrical drafting, mechanical drafting, process pipe drafting and structural drafting.

Cartographic Drafting	Machine Drafting
Cartographic Tech	Mechanical Drafting (Tech)
Civil Drafting	Mechanical Drawing
Designer Drafting Tech	Mechanical Engineering Drafting
Drafting and Design	Pattern Drafting
Electrical Drafting	Process Pipe Drafting
Electro-mechanical Drafting	Structural Drafting

337 Engineering Design and Instrumentation Technology
This field primarily refers to instrumentation technology. Instrumentation technology is the measurement and control of industrial processes using automatic equipment. Some of the specific aspects include: industrial chemistry and analytical process measurement, alarm and interlock systems, micro-processor technology, industrial electronics and plant engineering.

Design Mechanics	Instrumentation
Electronic Instrumentation	Instrumentation Mechanic(s)
Engineering Design	Instrumentation Tech
Industrial Instrumentation (Tech)	Mechanical Design
Instrument Tech	Precision Instrument Technician

338 Piping Technologies (Non-plumbing)
Pre-employment program designed for trainees to enter the steamfitting and pipefitting occupations. Trainees learn how to fabricate pipe fittings, install valves, lay out templates, and cut and thread pipe using both hand and power tools, including oxyacetylene cutting and electric arc welding equipment.

Gas Fitter	Steam Fitter
Pipe Fitter	

339 Surveying and Photogrammetric Technology
Program designed to prepare students for employment as land surveyors, or survey technologists. Trainees are instructed in the processes required to determine property boundaries of houses and buildings, to take celestial observations, to determine the shapes of shorelines and to map water depths, to draw legal surveys and to operate computer programs designed to produce survey drawings and to operate electronic and photogrammetric instruments.

Drafting and Surveying	Property Mapping
Geographical Surveying	Quantity Survey Construction Supervisor
Land Survey(ing) Tech	Remote Sensing
Legal Surveying	Survey(ing) (Tech)
Photogrammetry	

<p style="text-align:center">Industrial Engineering Technologies (340-348)</p>

340 Industrial Engineering Technology - General
The majority graduates in this field are millwrights or industrial mechanics. The training program teaches students to set up and adjust machines, change tooling, maintain, repair and overhaul the machines used in the service, supply and process industries. Some specific applications include packaging machines used in filling, wrapping, canning and bottling plants.

Industrial Engineering Tech	Industrial Mechanics
Industrial Instrument Mechanics	Manufacturing Engineer(ing) Tech
Industrial Maintenance (Mechanics)	Millwright
Industrial Mechanic Millwright	Production Engineering Technology

341 Air Conditioning and Refrigeration

Program preparing engineering technician graduates skilled in the design, testing, manufacture, installation and servicing of refrigeration and air conditioning equipment. Students learn the fundamentals of air conditioning, heat control and refrigeration, automatic control, compressors, gauge manifolds, condensers and pumps, evaporators, refrigerant controls and thermostats.

Air Conditioning Tech   Refrigeration

342 Clothing/Fabric Product Manufacturing

The majority of graduates in this field are specialists in tailoring. This program is designed to train students in the fundamentals technology of clothing construction and the art of fitting.

Clothing Manufacturing   Cutter - Textiles
Clothing Technology   Tailoring Technician

343 Machinist/Machine Shop

Program designed to provide instruction and practical experience in the areas of machinist technical training, supplemented by courses in blueprint reading, trade math, quality control, C N C machining, A P thread cutting, radial drill press operation, tool and cutter grinding, foundry work and other production machine setups and operations.

Gunsmithing   Machine Shop
Lathe Operation   Machinist

344 Pattern Making

Includes both Pattern and Mould Making programs of instruction to provide trainees with the skills and knowledge related to pattern and/or mould making. Pattern making typically utilizes fabricated wood or metal products to be used as moulds in foundry operations. Mould making employs a number of techniques derived from machine tools such as engine lathes and radial drill presses.

Mould Making   Pattern Making

345 Power Sewing

Training program for sewing machine operators in the use of power sewing equipment.

Power Sewing   Sewing Machine Operator
Sewing Machine Mechanic(s)

346 Sheet Metal

Training program designed for students seeking employment in the sheet metal industry. Some of the skills taught include design layout, fabrication and installation of distribution ductwork, metal roofs, flashing, gutters, eavestroughs, metal siding, cladding, ceilings, skylights, store fronts, signs, counters, canopies, conveyor systems, dust collecting systems, heating and air conditioning systems, ornamental and custom products.

Copper-smithing   Sheet Metal
Metal Work   Tinsmithing

347 Tool and Die

Training program designed for persons seeking entry into the tool and die making trade. Tool and die is employed in the production of components used to manufacture other objects. These components include cutting tools, jigs and fixtures, dies, gauges, and other products machined to very fine tolerances.

Machine Tool   Tool Making
Tool and Die (Maker)

348 Industrial Technologies - Other
Other specific industrial technologies such as glazier, materials engineering, technology, partsman, robotics, quality control and warehousing.

Fork-lift Operating
Gas Plant Operations
Glazier
Industrial Tech
Lead Burner
Manufacturing Tech
Materials Engineer(ing) (Tech)
Material(s) Management
Non-destructive Testing

Partsman
Process Operations
Production Planning and Inventory Control
Quality Control
Robotics Tech
Saw Filer Fitter
Saw Sharpening and Repair
Warehousing

Mechanical Engineering Technologies (349-358)

349 Mechanical Engineering Technology - General
Program designed to provide trainees with the knowledge and skills required for employment as a mechanical engineering technologist. The program includes engineering drawing, science, mechanics and statics, mechanics of materials, metallurgy, materials science, fluid mechanics, manufacturing processes and operations, computer aided drafting.

Electro-mechanical Engineer(ing) (Tech)
Maintenance Mechanics
Mechanical
Mechanical Assembly
Mechanical Design Tech

Mechanical Engineer(ing) Tech
Mechanical Repair
Mechanical Tech
Mechanics
Motive Power Tech

350 Aeronautical Engineering Technology
The majority of graduates in this field reported "Aircraft Engineering". This field covers both the aviation and the technical engineering aspects of aeronautics.

Aeronautical Engineering Tech
Aeronautical Tech
Aerospace Engineering Tech
Aircraft Engineering

Aircraft Sheet Metal
Aviation Tech
Avionics Tech
Helicopter Engineering Tech

351 Agricultural Equipment Mechanics
Program designed for graduates pursuing careers in the field of farm equipment service and which could lead to an Agricultural Mechanic's license. The training provides students with a comprehensive knowledge of the construction and functions of farm machines and their basic maintenance and repair operations. The program also includes knowledge of the objectives, economics and operation of farm machinery dealership.

Agricultural Equipment (Tech)
Agricultural Machinery (Tech)
Agricultural Mechanics

Farm Equipment (Mechanics)
Farm Machinery Mechanics

352 Aircraft and Flight Mechanics Technology
Program designed to provide the trainee with the job entry skills required to check, remove, repair, install and adjust the major mechanical components of fixed wing and rotary wing aircraft. The training for aircraft mechanics includes knowledge of aerodynamics, metallurgy, airframe components, sheet metal, plastics, piston engines, turbine engines, hydraulics, flight control instruments and overall maintenance procedures and regulations.

Aircraft Engines
Aircraft Maintenance Engineer(ing) (Tech)
Aircraft Mechanics
Aircraft Repair

Aircraft Tech
Air Frame Tech
Aviation Mechanics

92

353 Automobile Mechanics Technology
Usually a pre-employment program designed to provide trainees with the skills and knowledge necessary for employment in the motor vehicle maintenance and repair trade. Includes auto body repairs. Some typical elements of the training includes basic shop practice and the use of tools, service manuals and oxyacetylene equipment, knowledge of engine components and cooling system, steering and suspension, braking system, power trains, fuel systems, electrical systems and basic troubleshooting.

Auto Body (Repair)   Service Tech
Auto Mechanic(s)   Tech

354 Heavy Equipment Mechanics
Pre-employment training program designed to provide graduates with job-entry skills for industries, primarily construction, coal, mining and agriculture, employing heavy equipment. Trainees learn to service and repair bulldozers, loaders, scrapers, backhoes, graders and other types of heavy equipment. (Cf. 334 Construction Technology)

Diesel Mechanics   Heavy Duty (Equipment) Mechanics

355 Marine Mechanics Engineering
Program designed to provide trainee with the fundamental knowledge and skills required to check, remove, repair, install and adjust the major mechanical components of commercial and recreational fishing boats commonly used in Canadian waterways. Training includes knowledge of marine engines, electrical components, ydraulics, propulsion, sails and steering gear, deck machinery and auxiliary machinery.

Marine Diesel (Mechanics)   Marine Mechanics

356 Office/Business Machine Technology
Courses of study aimed at providing graduates with proficiency in operating, servicing and repairing office or business machines such as typewriters, calculators, word processors, microcomputers, photocopiers, fax machines, local area networks, telephone answering and switching devices, intercoms, etc.

Electronics - Business Equipment

357 Small Engine Repairs
Program designed to provide trainees with proficiency in repairing small engines, equipment or motors. These include lawn and garden equipment (e.g., lawn-mowers or rotor-tillers), chain-saws, motorcycles and all-terrain vehicles, outboard motors, snow-blowers, grain auger engines and other miscellaneous small equipment and engines.

Small Engine Repair

358 Power/Stationary Equipment Technology
Program designed to train persons for employment in electrical power generating plants, both conventional and nuclear, in industrial power plants supplying energy in the form of heat or electricity, in the power plants of large institutions or buildings such as hospitals, large businesses, commercial buildings, educational institutions, government buildings, or on board ships in engine rooms.

Boiler Making   Stationary Engineer(ing)
Operating Engineer   Steam Engineer(ing)
Power Engineering Tech

359 Forest Products Technology
(Cf. 330 Forest Conservation Technology) Program designed to provide trainees with skills to enter the forestry products industries. Graduates typically work in field operations involving timber inventory, protection, harvesting or reforestation. Employment opportunities exist in both the public and private sectors. Training includes courses on geology and soils, forest measurement, topographic drafting, wildlife biology, botany, ecology and fire control.

Forest Products Tech	Paper-making Technology
Forest Resource(s) (Tech)	Plywood Lumber Technician
Forest Tech	Pulp and Paper (Tech)
Forestry Tech	Saw Mill Operation
Logging	Scaler
Lumber Grading	Skidder Operator
Millwork	Wood Tech

360 Mining and Metal Processing
Program designed to provide trained technologists for the mining and metal processing industries. Courses include geology, geophysics, geochemistry, surveying, sampling, assaying, mine planning, blasting, concentrator operations, and mineral processing.

Blasting	Metal Fabricating
Diamond Drilling	Metallurgical Engineering Tech
Drilling	Mineral Tech
Explosives	Mining
Foundry	Mining - Nickel
Geological Engineering Tech	Mining Engineer(ing) Tech
Hoistman - Mining	Mining Tech

361 Petroleum Technologies
Program of theoretical and applied training in petroleum (oil and gas) drilling, production, formation evaluation and reservoir engineering. Trainees are taught the use of Computer Aided Engineering (CAE) and Drafting (CAD), digital drilling and blowout prevention, simulators, reservoir rock and fluid properties evaluation.

Gas Technology	Petroleum Engineering Tech
Hydrocarbon Engineering Tech	Petroleum Land Management
Natural Gas and Petroleum	Petroleum Resources and Land Management
Petroleum	Petroleum Tech

362 Primary Industries/Resource Processing Technologies - Other
This field includes persons who reported "well drilling" as their major field of study or training. Well drilling is a specific application of petroleum technologies, but could also be a reference to water well or artesian well drilling.

Well Drilling

Transportation Technologies (363-368)

363 Transportation Technology - General
This field refers to persons who reported "Transportation" or "Transportation Technology" without elaborating as to whether the means of transport were air, marine, motor, or rail.

Shipper	Transportation Planning Technology
Transportation	Transportation Technology

364 Air Transportation Technology
(Cf. 350 Aeronautical Engineering Technology and in particular its Aviation component.) This field relates to training in aviation transport or air pilot training. It also includes persons who reported "air traffic control". Graduates are trained for entry-level positions for major Canadian and international airlines or small charter airlines, executive or corporate flying, flight instruction and air traffic control. Graduates are eligible to write the Ministry of Transport's License and Instrument Rating examinations.

Air Stewardess Training
Air Traffic Control
Air Transport Technology
Aircraft Pilot Training
Aviation
Aviation and Flight Technology
Aviation Pilot Training
Flight Attendants

Flight Service
Flying
Helicopter Pilot
Pilot - Air
Pilot Training
Pilot's License
Private Pilot's License

365 Marine Transportation Technology
Training program designed for persons seeking employment as navigating officers in the Canadian merchant marine, or as officers on fishing vessels or other commercial/recreational craft or in the inshore and deep sea fishing industries. Graduates are instructed in skills related to shipbuilding, communications, seamanship, meteorology, oceanography and navigation.

Captains Ticket Navigation
Deck Hand
Deep Sea Master
First Mate
Industrial Marine Rigging
Marine Captains Course
Marine Emergency Duties
Marine Master
Marine Navigation (Tech)
Marine Rigging
Marine Transportation (Tech)
Master - Foreign Going
Mate - Watchkeeping
Mates Ticket

Minor Waters
Nautical Science
Nautical Training
Navigation
Navigation Marine
Navigation Officer
Ocean Navigation
Rigging
Sea Captain
Seaman's Training
Seamanship
Second Mate
Watch Keeping (Mate)

366 Motor - Commercial/Public Vehicle Transportation
Pre-employment training program for truck and transport drivers, bus drivers and other motor carrier operators. Trainees receive instruction in basic knowledge of trucks, trailers, bodies and equipment used in motor transportation, preventive maintenance, safety, pre-trip instruction, laws and regulations covering equipment, loads and drivers.

Bus Driver Training
Class A Driver
Heavy Transport
Semi-Truck Driver
Tractor-Trailer Driving

Transport Driving
Transport Equipment Operating
Truck Driving
Trucking

367 Motor - Other Motor Transportation
This field refers to persons trained to provide driver training instruction to beginning students.

Driver Education
Driver Training

Driving Instructor
Motor Vehicle Instruction

368 Rail Transportation Technology

Training provided for persons employable as locomotive or train engineers, or in other occupations related to rail transportation.

Engineer - Locomotive or Train
Rail Road Maintenance
Rail Transportation (Tech)
Railway Engineer
Railway Signal Training
Train Conductor

Other Engineering/Applied Science Technologies, n.e.c. (369)

369 Engineering/Applied Science Technologies-Other

Residual category of fields of study or training in the engineering and applied sciences technologies and trades. Includes general engineering technology and industrial arts.

Blacksmith(ing)
Diving Deep Sea - Commercial
Electroplating
Engineer(ing) Tech
Industrial Art(s)
Industrial Laboratory Tech
Janitorial Service
Locksmithing
Maintenance Engineering
Painting Tech
Technical
Technical Trades
Technician
Technician Engineering
Technology
Trades
Vocational (Training)

Dentistry (370)

370 Dentistry or Dental Medicine

Professional studies in the branch of medical science dealing with the prevention, diagnosis and treatment of diseases and disorders of the teeth and adjacent tissues and the restoration of missing dental structures.

Dental Medicine	Oral Pathology
Dental Surgery	Oral Surgery
Dentistry	Orthodontics
Oral and Maxillofacial Surgery	Periodontics
Oral Maxillo Facial Surgery	

Medicine - General (375)

375 General Practice Medicine

Professional studies consisting of knowledge, skills and personal qualities required to identify, analyze and manage clinical or health problems in order to provide efficient, effective and humane patient care. Medical training entails a broad range of knowledge covering subjects such as biochemistry, anatomy, nutrition, pharmacology, microbiology, physiology and pathology and the development of skills in the areas of critical appraisal, clinical information and self-directed learning.

Family Medicine	Internal Medicine
Family Practice Medicine	Medical Doctor
General Medicine	Medicine
General Practice (Medicine)	Medicine - General Practice

Medicine - Basic Medical Science (376-383)

376 Medical Anatomy

Specialized discipline dealing with the study of the evaluation of the human anatomy and the structure and functions of living organisms. Some of the specializations within this discipline include gross or macroscopic anatomy, microscopic anatomy or histology, neuroanatomy, developmental anatomy or embryology.

Anatomical Pathology	Anatomy Physiology
Anatomy	Human Anatomy

377 Medical Biochemistry and Medical Biophysics

Specialized medical discipline dealing with the biochemical mechanisms underlying disease processes and the medical aspects of the biophysical structures and functions of the human body. (Cf. 245 Biophysics)

Medical Biochemistry	Medical Physics
Medical Biophysics	

380 Medical Neurophysiology

Specialized medical discipline dealing with the structure and functions of the nervous system.

Medical Neuroanatomy	Neurological Physiology
.Medical Neurophysiology	Neurophysiology
Neuro Biology	

381 Medical Pharmacology
A broadly based and integrative sub-discipline of biology dealing with the detection, measurement and analyses of properties of chemical compounds and their interactions with living systems. Includes the study of drug actions, drugs as therapeutic agents, pharmaceuticals, pollutants and poisons in the natural and social environment.

Neuropharmacology

Pharmacology

382 Medical Physiology
Branch of biological and medical sciences dealing with the basic activities occurring in cells and tissues of living organisms and their chemical and physical processes.

Clinical Physiologist
Exercise Physiology
Human Physiology

Medical Physiology
Physiology and Sports Medicine

383 Basic Medical Sciences - Other
Other specialized basic medical sciences including medical embryology and genetics endocrinology, and medical research and science.

Biomedical Science
Endocrinology
Human Genetics
Medical Genetics

Medical Research
Medical Science
Toxicology

Medical Specializations (Non-surgical) (384-388)

384 Neurology
Study of the anatomy, physiology and disorders of the nervous system.

Neurology
Neuropathology

Neuroscience

385 Paediatrics
Specialized study in the branch of medicine dealing with the growth and development of the child from infancy through to adolescence and the care treatment and prevention of diseases, injuries and defects of the child.

Medicine Pediatrics
Paediatrics

Pediatrics
Pediatrics Medicine

386 Psychiatry
Studies and training in the medical science dealing with the origins, diagnosis and treatment of mental and emotional disorders. The training includes inpatient and outpatient experience, emergency psychiatry, liaison psychiatry, child psychiatry, community psychiatry, psychotherapies and psycho-pharmacology.

Medicine Psychiatry

Psychiatry

387 Radiology
Studies in the medical science dealing with radioactive substances, x-rays and other ionizing radiation and the application of radiological principals to the diagnosis and treatment of diseases. Some special techniques in this field include diagnostic imaging, radiopharmaceutical preparation and the use of medically useful nuclides, position emission tomography, ultrasound and computer assisted tomography.

Medical Radiography
Medical Radiology

Nuclear Medicine
Radiology

388 Medical Specializations (Non-surgical) - Other
Other medical specializations such as anaesthesiology, dermatology, geriatrics and kidney disease.

Anaesthesia
Anaesthesiology
Dermatology

Geriatrics
Kidney Disease

Paraclinical Sciences (390-393)

390 Medical Immunology
The study of the vertebrate responses to exposure to foreign or infectious microorganisms and the development of vaccines to combat infections. The study also deals with topics such as graft rejection, genetic elements as templates for the synthesis of molecules, the immune response, antibodies, biomolecules, the generic and specific aspects of the body's response to invasion and the process of self and non-self recognition.

Immunochemistry

Immunology

391 Medical Microbiology
The study of microorganisms such as bacteria, viruses, fungi, protozoa and some classes of algae through the use conventional and powerful electron microscopes.

Medical Microbiology

Microbiology and Immunology

392 Medical Pathology
A subspecialty of laboratory medicine dealing with the study of the causes, nature and effects of diseases and other abnormalities.

Experimental Pathology
Medical Pathology

Medicine Pathology
Pathology

393 Medical Parasitology, Virology and Bacteriology and Other Paraclinical Science
Parasitology is a subfield of medical microbiology which studies the relationships between human hosts and parasites which live in or on them. Virology is the study of submicroscopic organisms called viruses. Bacteriology is the science and study of bacteria.

Parasitology

Virology

Surgery and Surgical Specializations (394-398)

394 Surgery - General
A specialized subfield of medicine concentrating upon the manual or instrumental treatment of injuries, diseases or other disorders. Specific aspects include cardio-vascular and vascular surgery.

Surgeon

Surgery

395 Obstetrics and Gynaecology
Specialized subfield of surgical medicine dealing with pregnancy, labour, the puerperium or childbirth, high-risk pregnancy, fetal monitoring. Gynaecology is a medical speciality dealing with diseases of women affecting the sex organs.

Gynaecology
Medicine Gynecology

Obstetrics
Obstetrics and Gynecology

396 Orthopaedic Surgery
Subfield of surgical medicine dealing with corrective treatment of musculoskeletal deformities, diseases and ailments by means of manual and instrumental measures.

Orthopaedic Surgery

Orthopedics

Orthopedic Surgery

398 Surgical Specialties - Other
Other specialized subfields of surgical medicine, the primary field in terms of graduates in the 1986 Census being ophthalmology.

Cardiology (Medicine)

Otolaryngology

Heart Surgery

Plastic Surgery

Medicine Surgery

Podiatry

Neurosurgery

Thoracic Surgery

Ophthalmology

Urology

Nursing (399-406)

399 Nursing - General
Program of studies and training designed to prepare graduates to assist in meeting the preventive, curative and rehabilitative needs of individuals in all age groups. Nursing training includes clinical experience and classroom study in a wide variety of applications. Areas within which nurses receive specialized training include, medical office practice, surgical, geriatric, paediatric, psychiatric and obstetrical.

Health Sciences Nursing

Nursing Science

Medicine Nursing

Practical Nursing

Nurse Practioner

Registered Nurse

Nursing

Science and Nursing

Nursing - Post Registered Nursing

Science in Nursing

402 Medical, Surgical Hospital Nursing
Specialized or in some cases a post-diploma program for nurses interested in acquiring advanced skills in surgical or hospital nursing. Graduates are able to function as technical assistants in surgery and to provide nursing care to patients undergoing surgery.

Medical Nursing

Surgical Nursing

Operating Room Nursing

403 Obstetric Nursing
Specialized program of nursing studies directed toward defining the role of the nurse with regard to the expectant family or mother prior to, during and after delivery. The focus is on health supervision and anticipatory guidance during the maternity cycle.

Midwifery

Nursing Obstetrical

Neo Natal Intensive Care Nursing

Obstetric Nursing

Nurse Practioner Midwifery

404 Psychiatric Nursing and Mental Health Care
Specialized nursing program designed to provide basic preparation to assist and to administer to people of all ages who have mental health problems or who are mentally retarded. Psychiatric nurses are trained to recognize the role of psychosocial stressors as they relate to mental health problems of the patient and the family and to engage in the prevention, restoration and maintenance of the mental health of patients.

Mental Health Nursing

Psychiatric Nursing

Nursing Psychiatry

Psychological Nursing

405 Public Health and Community Nursing
Post-diploma program for graduate nurses interested in specializing in community health nursing or in pursuing careers in public health.

Community Health Nursing
Community Nursing
Nursing Community Health

Nursing Public Health
Public Health Nursing

406 Nursing - Other
Other specialized nursing programs such as critical care, geriatric nursing, extended care, occupational health and paediatric nursing.

Anatomy Nursing
Critical Care Nursing
Extended Care Nursing
Geriatric Nursing
Intensive Care - Nursing

Long Term Care Nursing
Nursing - Geriatrics
Occupational Health Nursing
Pediatric Nursing
Pre-hospital Care

Nursing Assistance (407-410)

407 Nursing Assistant, Assistant Nursing
Certificate program designed to provide trainees with the skills to give nursing care to ill and convalescing patients and those requiring custodial care, to assist with the care of acutely ill patients in hospitals, nursing homes, rehabilitation centres and in the community, working under the supervision of registered nurses and/or physicians.

Assistant Nurse
Certified Nursing Assistant
Licensed Practical Nurse
Nursing Assistance

Nursing Assistant
Nursing Practical
Registered Nursing Assistant

408 Health Care Aid/Support
Program designed to train nursing support personnel to assist hospitalized or ill patients by promoting self-acceptance, self-esteem, dignity and by providing opportunities for recuperative or rehabilitative activities.

Handicapped Services
Health Care
Health Care Aide
Health Care Support
Health Care Worker
Home Care
Home Health Aid
Home Making and Home Nursing

Home Nursing and Home Making
Home Support Worker
Home-Makers and Care
Homecare
Resident Care Worker
Residential Care (Worker)
Special Care Aide

409 Long Term Care Aide
Program designed to provide students with instruction necessary to care for the physical, emotional and social needs of long term care residents. Although this program is directed to all age groups, special emphasis is placed on problems of the elderly and to assist them with meals, nutrition and daily activities.

Extended Care
Geriatric Aide
Geriatric Assistance
Geriatric Nursing Aide Program

Geriatrics - Care of the Aged
Long Term Care
Long Term Care Aide
Long Term Care Home-Maker

410 Nursing Aide, Orderly
Program designed for health personnel to act as auxiliaries to registered nurses. Orderlies are trained in emergency procedures, advances first aid training, orthopaedic equipment and care, scrubbing and sterilization, cardiac life support, geriatrics and other related topics.

Certified Nursing Aide
Hospital Orderly
Nurse's Aide
Nurses Aide and Home Makers
Nursing Aide

Nursing Orderly
Orderly
Registered Nurses Aide
Ward Assistant or Aide

Optometry (411)

411 Optometry
Professional program qualifying graduates to apply for registration as practising optometrists. The program includes a background in general medical and health science and specialized knowledge of visual science, physiological optics and other topics, related to the science of ascertaining the refractory power and visual range of the eye.

Optometry

Pharmacy and Pharmaceutical Sciences (412-413)

412 Pharmacy
Professional program of studies intended for persons succeeding toward the practice of pharmacy or toward further academic research in the science of pharmacy. A major aspect of the current training is the theory and practice of pharmaceutical dosage forms, patient medication profiles in the dispensing of prescriptions and the computerized management of a dispensary.

Clinical Pharmacy
Pharmacist
Pharmacy
Pharmacy Assistant

Pharmacy Science
Science and Pharmacy
Science Pharmacy

413 Pharmaceutical Sciences/Technology
(Cf. 412 Pharmacy - Note: The terms pharmaceutical science and pharmacy are for all intents and purposes interchangeable; however, this category is maintained to record persons who reported pharmaceutical science, as well as those who reported pharmaceutical or pharmacy technology.) Professional program designed to prepare graduates to practice pharmacy in community pharmacies, hospitals, industry, government, and research establishments.

Pharmaceutical Chemist
Pharmaceutical Chemistry
Pharmaceutical Science

Pharmaceutical Tech
Pharmaceutics
Pharmacy Tech

Public Health (414-418)

414 Public Health
(Including Preventive Medicine and Veterinary Public Health) Studies in public health and related medical and administrative aspects.

Health Services
Health Studies
Preventive Medicine

Public Health
Public Health Inspection
Veterinary Public Health

415 Community Medicine and Health
Studies in community medicine and health and related medical and administrative aspects.

Community Health
Community Health Representative
Community Health Services Worker

Community Health Work(er)
Community Nutrition
Public Health Nutrition

416 Dental Public Health and Hygiene
(The vast majority of graduates in this field reported Dental Hygiene.) Program designed for persons seeking careers as dental hygienists employable in a variety of settings, including private dental offices, local government offices and schools, provincial and federal government departments, industry, hospitals, the armed forces and schools of dental hygiene.

Dental Hygiene
Dental Hygienics

Dental Hygienist

417 Epidemiology and Biostatistics
The study of epidemics or mass-scale disease from the perspective of statistical distribution, biostatistics, toxicology, occupational health and community health.

Biostatistics
Community Health and Epidemiology

Epidemiology
Health Care and Epidemiology

418 Industrial Health Medicine and Hygiene
The majority of referents in this field was "Industrial First Aid".

Accident Prevention
Environmental Health
Environmental Toxicology
Industrial First Aid
Industrial Health

Industrial Hygiene
Occupational Health
Occupational Health and Safety
Public Health and Pollution Control
Radiation Protection Technology

Rehabilitation Medicine (421-424)

421 Rehabilitation Medicine - General
Both a professional and paraprofessional program of studies concerned with training personnel and professionals to restore mentally, physically or emotionally disabled persons to their maximum level of function and independence. The types of settings in which rehabilitation medicine is practiced include developmental day care, hospitals, residential, recreational, vocational and educational services.

Medical Rehabilitation
Rehabilitation
Rehabilitation Medicine

Rehabilitation Practioner
Rehabilitation Services

422 Audiology and Speech Pathology and Therapy
Training program designed for clinical audiologists and speech-language pathologists to work in hospitals, clinics, private agencies, schools and health units to provide the communicatively impaired person with professional services. The study involves knowledge of the physiological and psychological organization of language, and other aspects such as phonetics, phonology and semantics.

Audiology
Audiology and Speech Pathology
Communication Disorders
Communicative Disorders
Hearing Impairment

Speech Language Pathology
Speech Pathology
Speech Pathology and Audiology
Speech Science
Speech Therapy

423 Occupational and Physical Therapy

Occupational therapy is a training program for professionals and other staff to deliver and implement rehabilitative programs for persons injured or disabled in their jobs. Physical therapy is a training program for health service personnel to restore health and activity to injured or disabled persons. Some of the techniques entail the use of heat, water, cold, ice, sound and electricity as well as assistive devices and artificial limbs.

Music Therapy
Occupational Therapy
Physical and Occupational Therapy
Physical Therapy

Physio - Occupational Therapy
Therapeutic Recreation
Therapy

424 Physiotherapy

(NOTE: Physiotherapy is an alternative term to Physical Therapy; graduates recorded in this category are persons who cited entries under Physiotherapy or its elements.) Program of studies designed to train persons eligible to practice as licensed physiotherapists in a variety of settings, including hospitals, rehabilitation centres, extended care units, special schools, local government agencies, industrial health units, sports clubs and private clinics.

Athletic Therapist
Physio Therapist

Physiotherapy
Science Physiotherapy

Medical Laboratory and Diagnostic Technology (425-429)

425 Medical Laboratory Technology

Program of studies and training enabling graduates to be eligible for certification as a registered laboratory technologist. The training includes the learning of procedures to provide physicians with information used to evaluate patients health status and to monitor their clinical progress, some of these procedures are performed in a variety of clinical specimens including, blood, tissues and bodily fluids, utilizing conventional and advanced laboratory equipment.

Laboratory Technology Medical
Medical Laboratory
Medical Laboratory Assistant
Medical Laboratory Science

Medical Laboratory Tech
Medical Tech
Registered Medical Laboratory Technology

426 Biological Laboratory Technology

Program designed to prepare competent technicians and cytotechnologists in the field of biological laboratory science and technology. Program includes training in use of analytical, physiological and recording instruments directed to the analysis of plant, animal and microbial activity and processes. Graduates in this field are typically employed in federal and provincial research and experimental bodies, university departments, oil and chemical industrial laboratories, fish, wildlife and outdoor recreation facilities and in the agricultural industry.

Biological Laboratory Tech
Biological Sciences Tech
Biological Tech

Cytotechnology
Histology Tech

427 Biomedical Electronic Technology

Training program designed to prepare competent technologists capable of operating, maintaining and repairing electronic equipment used in medicine and biology. Such equipment may include patient monitors, electroencephalographs, defibrillators, electrosurgical units, telemetry devices, x-ray machines and ultrasound. Biomedical electronic technologists are employed primarily in hospitals, clinics, research agencies as well as in the sales and repair departments of medical equipment supply companies.

Biomedical Electronic Tech

Biomedical Electronics

428 Dental Laboratory Technology

Technical training program for persons eligible to become licensed or registered dental laboratory technicians operating as a member of the dental health team. The technician is trained to provide services to dentists by constructing a variety of devices to repair, replace or straighten teeth of patients whose natural teeth are broken, missing or require repositioning.

Dental Ceramist
Dental Laboratory Tech
Dental Mechanics
Dental Tech

Denture Technology
Denture Therapy
Denturist

429 Radiological Technology

Technical training program for medical paraprofessionals specialized in the techniques of producing on x-ray film the necessary information required by the radiologist to make a medical diagnosis. Some of the specific procedures learned include radiography, fluoroscopy and cineflurography.

Diagnostic Radiology
Diagnostic Radiology Tech
Medical Radiological Tech

Radiological Tech
Radiology Tech

Medical Treatment Technologies (431-439)

431 Chiropractic Technology

Professional program of studies enabling graduates to practice chiropractic effectively and safely. Training includes understanding the patho-physiology of the spine and related anatomical structures and how normal and abnormal spinal mechanics are related to the rest of the body. The program usually contains both an undergraduate and post-graduate component.

Chiropodist
Chiropractic

Chiropractics
Chiropractor

432 Dental Assistant

Program preparing students to carry out the duties of a certified or licensed dental assistant, whose prime responsibility is to perform necessary duties ranging from patient reception through general office and record-keeping procedures to chair-side assistance and taking and processing dental x-rays. Dental assistants are employed in private dental offices, clinics, hospitals, educational institutions and with dental product manufacturers.

Certified Dental Assistant
Dental Assistant
Dental Assisting

Dental Technician
Dental Therapy

433 Emergency Paramedical Technology

Program designed to prepare persons able to provide emergency care to victims of accident or illnesses and to protect them from further injury during transportation by ambulance. Instruction is given in CPR, treatment of wounds, management of fractures, head injuries, back injuries, emergency childbirth, radio communication and emergency driving.

Ambulance and Emergency Care
Ambulance and Emergency Medical Care
Ambulance Assistant
Ambulance Care
Emergency Care
Emergency Care Assistant
Emergency Medical Technician

Emergency Medicine
Emergency Paramedical Technology
Emergency Patient Care
EMT
First Aid (Emergency)
Paramedic

434 Mental Health and Retardation Technology
Training program designed to provide basic competency in program planning counselling, administration and direct care for mentally handicapped or retarded persons. Trainees are taught subjects such as case management, interviewing, pharmacology, multiple handicaps, behaviour modification and field practice.

Mental Health
Mental Retardation

Mental Retardation Worker
Mentally Retarded

435 Respiratory Technology
Training program usually affiliated with hospitals providing theoretical and practical instruction and clinical experience required to prepare students for national registry examinations of the Canadian Society of Respiratory Technologists. Training in this field includes procedures for dealing with patients with heart and lung disorders such as arterial analysis, ventilatory therapy, airway management, pulmonary function and cardiac monitoring.

Inhalation Therapy
Respiratory Tech

Respiratory Therapy

436 Ultrasound and Ultrasonography
Advanced medical paraprofessional training program designed to enable graduates to be eligible to write standard registry examinations for Diagnostic Medical Sonographers. Training includes theoretical and clinical instruction in ultrasound, a new medical technology utilizing high frequency sound waves transmitted and reflected through various body parts and allowing for the imaging of organs and fluid collections within the body.

Ultrasonagraphy
Ultrasound

Ultrasound Tech

437 X-ray Medical Technology/Radiography
Training program providing practical instruction and clinical experience to prepare graduates for eligibility to be nationally certified by the Canadian Association of Medical Radiation Technologists. The primary technique is the use of ionizing radiation to produce radiographs or x-rays to assist in the diagnosis of disease or traumatic conditions.

Certified Combined Tech
Diagnostic Radiography Tech
Diagnostic X-ray Tech
Laboratory and X-Ray Tech

Medical X-ray Tech
Radiography
X-ray Program
X-ray Tech

438 X-ray-Radiotherapy/Nuclear Medicine
Specialized training program providing both theoretical and practical instruction required to be eligible to become Radiation Therapy Technologists or Nuclear Medicine Technologists by passing registry examinations administrated by the Canadian Association of Medical Radiation Technologists. This type of therapy uses ionizing radiation dispensed from high energy x-ray machines called linear accelerators. Radioactive materials utilized include cobalt and cesium.

Medical Radiation Tech
Nuclear Medicine Tech
Radiation Oncology Tech
Radiation Technology

Radio-therapy
Radiotherapy
Radiotherapy Tech

439 Medical Treatment Technologies - Other
Other specialized medical treatment technologies, not elsewhere classified such as cardio-pulmonary resuscitation (CPR), cardiology technology and electrocardiograph technology.

Cardio-pulmonary Resuscitation
Cardiology Tech

Electrocardiograph Tech

440 Medical Equipment and Prosthetics
Specialized health and medical technology fields dealing with medical equipment and prosthetics. Includes opticians and optical technologists, operating room technologists.

Dispensing Optician
Operating Room Technology
Optical (Laboratory) Tech
Optician

Orthotics
Prosthetics Tech
Prosthetics Orthotics

Other Health Professions, Sciences and Technologies, n.e.c. (441)

441 Health Professions, Sciences and Technologies, n.e.c. - Other
Other not elsewhere classified health professions, sciences and technologies such as acupuncture, medical security, medical terminology and sports medicine.

Acupuncture
Health
Health Field
Homeopathy
Masseur
Medical
Medical Field
Medical Security

Medical Support Services
Medical Terminology
Pre-health Sciences
Pre-med
Science Health Studies
Sports Medicine
Sterilization Technique

Actuarial Science (442)

442 Actuarial Science
Study of the application of mathematics and statistics to evaluate the impact of loss or declines of income through death, disability or retirement, or loss of property through fire, collision, theft or other casualties. Actuarial techniques attempt to forecast and value the expected total benefits that will be provided to participants of life, health, property insurance and employee benefit programs.

Actuarial and Business Math   Actuarial Science
Actuarial Mathematics

Applied Mathematics (443-447)

443 Applied Mathematics - General
The study of the application of the principles of mathematics for the purpose of facilitating the description, analysis and solution of scientific, industrial or engineering problems. This field covers areas ranging from the study of supersonic flow, ocean waves, the structure of space-time and the properties of atoms and molecules expressed in mathematics form.

Applied Math   Applied Mathematics

444 Computer Science - General
The study of the theory, organization and application of computers to process information. Specific topics include the study of computer languages, the formulation of efficient algorithms, the design of file structures, the organization of hardware components are the application of computers within the field of artificial intelligence.

Computer Science(s)   Computing Science
Computer Studies   Mathematics and Computer Science

445 Computer Science - Systems Designed and Analysis
The study of the determination of exact operational hardware and software requirements of a computer or a computerized systems. These include the resolution of file structure and the specification of input/output formats through computer programming.

Computer Analyst Programmer   Computer Systems
Computer Programme Systems Analyst   Programmer Analyst
Computer Programming and Analysis   Systems Analysis
Computer Science - Data Bases

446 Operations Research
A subfield of mathematics that deals with the problems of management in business, government and industries. The study involves the construction of mathematical models of complex real world situations and the application of various mathematical techniques to simulate optimal or near optimal solutions.

Logistics Analysis   Operations Research
Operational Research

447 Applied Mathematics - Other
Other specialized fields within applied mathematics such as combinations, computational science, data analysis and quantitative methods.

Applied Computational Mathematics   Computer Science Mathematics
Combinatorics Optimization   Data Analysis
Computational Science   Quantitive Methods

448 Chemistry - General
A branch of physical sciences dealing with the study of the composition of substances, the ways in which their properties are related to their composition and the interaction of substances to form new materials. Chemistry is based on an understanding of the structure and properties of atoms and molecules and the energy changes that accompany their transformations.

Applied Chemistry	Chemistry
Chemical Sciences	Science Chemistry

449 Analytical Chemistry
Study of the scientific and mathematical procedures determining the composition of substances in terms of the elements and compounds from which they are constituted.

Analytical Chemistry	Chemistry Analytical
Chemical Analysis	Clinical Chemistry
Chemical Research	

451 Organic and Inorganic Chemistry
Organic Chemistry is the study of the composition, reactions, and properties of carbon compounds (except carbon dioxide, carbon monoxide compounds). Inorganic chemistry studies reactions and properties of all chemical elements and their compounds, excluding hydrocarbons but actually including carbides and other simple carbon compounds (such as CO_2, CO and HCN).

Chemistry - Organics	Organic Chemistry
Chemistry Organic	Polymer Chemistry
Inorganic Chemistry	

452 Physical Chemistry
The study of the analysis and prediction of chemical behaviour by means of physical theory with extensive use of mathematical formulas and graph theory. Its main subject areas are the structure of matter, thermodynamics and kinetics.

Chemistry Physical	Physical Chemistry
Electroanalysis	

454 Chemistry Specialties - Other
Other specialized fields in Chemistry such as Food Chemistry, Radiation Chemistry, Theoretical Chemistry and Chemistry and Mathematics.

Cereal Chemistry	Radiation Chemistry
Chemistry and Mathematics	Theoretical Chemistry
Food Chemistry	

Geology and Related Fields (455-462)

455 Geology, Geological and Earth Sciences
The study of science of the earth, its origin, its history, and the physical chemical and dynamic processes that have gone on, and are now going on within it. It also includes examination of the materials involved in these processes such as minerals, rocks, fossils, petroleum and natural gas. Geology also entails both field work and laboratory analysis.

Earth Science(s)	Geological Science
Earth Science - Geology	Geology

456 Geochemistry and Geochronology
The study of the chemical composition of the earth primarily in terms of ore formations, mineral deposits, crystalline compounds, isotopes and geochemical cycles. Laboratory work in this field is aided by the use of the petrographic microscope.

Biogeochemistry   Geochemistry
Chemistry and Geology   Geology and Chemistry

457 Geophysics and Geomorphology
The study of physical properties and processes of the earth. Some specific aspects include: seismology and seismic exploration, earth tides, terrestrial heat flow, terrestrial magnetism and electricity, earth rotational dynamics, tectonophysics, gravity, and geomorphology which is a specialized study of the earth's topographic or surface features and their formation through erosion.

Applied Geophysics   Geophysical Seismology
Geodesy   Geophysics
Geology and Geophysics   Physics and Geology
Geomorphology

459 Mineral Geology
The primary referent given by respondents in the 1986 Census was Gemology which is the science and study of gemstones, their identification, grading, fashioning, polishing, cutting and engraving.

Gemology   Mineral Exploration
Geology Mining

462 Geology and Related Fields, n.e.c.
Other specialized subfields of Geology such as economic geology, hydrogeology, hydrology, paleontology and surficial glology.

Economic Geology   Hydrology
Exploration and Geology   Paleontology
Hydrogeology   Surficial Geology

Mathematical Statistics (463)

463 Mathematical Statistics
A branch of modern applied mathematics concerned with the collection and analysis of quantitative data. Statistical theory and methodology cover topics such as the design of experiments, sample surveys and censuses, probability and statistical inference, calculus and linear algebra, decision theory and combinatorics. Statistics has a wide range of applications in projects as diverse as clinical trials, economic model building and projecting population growth.

Mathematical Statistics   Statistics

Mathematics (464)

464 Mathematics
The study or science of quantities, numbers and numerical relations according to fundamental principles organized around systems of deductive or abstract axioms such as geometry, algebra, trigonometry, calculus, number theory and topology. Mathematics as studied in its "pure" form is concerned with the essence of these systems and their extensions or extrapolation into new areas of discovery.

Algebra   Mathematics
Math   Pure Mathematics
Mathematical Logic

465 Metallurgy and Materials Science

The study of the chemical reactions involved in the process by which metals and their alloys are produced and their physical chemical and mechanical properties.

Chemical Metallurgy

Material Science

Materials Science

Metallurgy

Metallurgy and Materials Science

Physical Metallurgy

Meteorology (466)

466 Meteorology

Study of the science of the earth's atmosphere and its associated phenomena including temperature, pressure-patterns, density, winds, clouds and precipitation. Although meteorology is not weather forecasting per se, forecasting is one of the main objectives of meteorology.

Aerology

Atmospheric Science

Climatology

Marine Meteorology

Meteorological Engineering

Meteorology

Weather Observation

Oceanography and Marine Sciences (467)

467 Oceanography and Marine Sciences

Interdisciplinary scientific study of oceans as a dominant environmental force and an ecological system. Topics of study includes tides and currents, the chemistry of ocean and sea water, marine plants and animals, ocean bottom sediment and underlying crustal structures.

Biological Oceanography

Marine Science

Oceanography

Physical Oceanography

Static Oceanography

Physics (471-478)

471 Physics - General

The study of the principle and laws of natural science employing the scientific method of observation, experimentation and the systematization of results. The scope of this field is wide ranging extending from the study of the universe in large-scale space and time to the investigation of sub-nuclear particles. Some of the basic areas of study included mechanics, thermodynamics, electricity and quantum mechanics.

Physics

472 Astrophysics and Astronomy

Astrophysics is the study of the physical properties of celestial bodies and the space in between them. Astronomy is the general study of all celestial bodies and phenomena based on observation, radio waves and inference. Some of the more recent discoveries in astronomy include hyper-energetic quasars, gyrating pulsars and inscrutable black holes.

Astrogeology

Astronomy

Astrophysics

473 Atomic and Nuclear Physics
Studies of the structures of atoms and the characteristics of electrons and other elementary particles which constitute the atom. Some of the topics include: nucleor - nucleon interactions, nuclear structure, gamma, transitions, alpha decay and beta decay, particle accelerators.

Nuclear Physics

474 Chemical Physics
The study of the interrelationships between chemistry and physics (see also 452 Physical Chemistry).

Chemical Physics
Chemistry and Physics

Physics and Chemistry

477 Theoretical and Mathematical Physics
(Primarily persons reporting Mathematics and Physics.) The study of the derivation and solution of mathematical equations representing physical phenomenon. Some current topics in this field include plasma physics, general relativity, group theory and chaos in dynamical systems.

Mathematical Physics
Mathematics and Physics
Physics and Mathematics

Physics Mathematics
Theoretical Physics

478 Physics, n.e.c. - Other
Other not elsewhere classified subfields of physics such as applied physics, optics, particle physics, and solid state physics.

Applied Physics
Fiber Optics
Optics

Particle Physics
Solid State Physics
Thermodynamics

General Science (479-480)

479 General Science
Indicates persons who primarily reported "science" as their major field of study.

Applied Science
General Science
Physical Science

Pure and Applied Sciences
Science
Sciences

480 Science Lab Technology
Indicates persons who primarily reported Laboratory Technology as their major field of study.

Laboratory Assistance
Laboratory Science
Laboratory Tech
Physics Tech

Research Assistant
Science Lab Tech
Science Tech

ALL OTHER, N.E.C. (481)

All Other, n.e.c. (481)

Refers to entries that could not be coded within the existing classification structure.

NO SPECIALIZATION (482)

No Specialization (482)

Refers to entries indicated as "General" or "interdisciplinary".

General   Interdisciplinary Studies

NO POSTSECONDARY QUALIFICATION (485)

No Postsecondary Qualification (485)

Refers to persons 15 years and over with no postsecondary qualifications, that is, with no trades or other non-university (college) certificate or diploma, nor any university certificate diploma or degree.

Grade (9, 10, 11, 12, 13)

2. The Alphabetical Index

The Alphabetical Index is a straightforward alphabetical ordering of all of the reported MFS write-in entries encountered in the 1986 Census. It is in effect an edited version of the MFS Code Book, with non-reported or scarce entries deleted. As such, it constitutes a relatively complete record of the range of responses encountered in the 1986 Census. It should, however, be emphasized that this index is not a substitute for the MFS code book. Any future applications of the MFS code book should utilize the complete range of possible entries as well as the MFS entries appearing in the 1986 Census. In addition, the MFS code book should update its contents to include any new programs, or subfields or fields of specializations that have appeared since June, 1986.

The alphabetical index will be of most use to persons attempting to locate a specific entry either within a generic group level, a minor group level, or a unit group level (as elaborated in Part II, Section 1). The index will enable the user to quickly find a given description of a field of study and then to refer to section 1 for more details.

350	Aircraft Engineering	108	Applied Linguistics
352	Aircraft Engines	443	Applied Math
352	Aircraft Maintenance Engineer(ing) (Tech)	443	Applied Mathematics
352	Aircraft Mechanics	143	Applied Mathematics and Economics
364	Aircraft Pilot Training	053	Applied Music
352	Aircraft Repair	067	Applied Photography
350	Aircraft Sheet Metal	478	Applied Physics
352	Aircraft Tech	167	Applied Psychology
464	Algebra	479	Applied Science
433	Ambulance and Emergency Care	186	Applied Social Science
433	Ambulance and Emergency Medical Care	194	Appraisal
433	Ambulance Assistant	194	Appraisal and Assessment
433	Ambulance Care	194	Appraisal Assessment Technology
098	American Literature	263	Aquaculture
137	American Studies	263	Aquaculture (Tech)
388	Anaesthesia	261	Aquatic Biology
388	Anaesthesiology	260	Aquatic Ecology
449	Analytical Chemistry	035	Aquatics
376	Anatomical Pathology	259	Araneology
376	Anatomy	316	Arc and Gas Welding
406	Anatomy Nursing	316	Arc Welding
376	Anatomy Physiology	130	Archaeology
085	Ancient History	130	Archeology
137	Ancient Near Eastern Studies	267	Architect
229	Animal and Poultry Science	267	Architectural
258	Animal Behaviour	048	Architectural Art
244	Animal Biology	268	Architectural Design
258	Animal Breeding	302	Architectural Design Tech
237	Animal Care	303	Architectural Drafting (Tech)
234	Animal Care Tech	268	Architectural Engineering
258	Animal Ecology	302	Architectural Engineering Tech
258	Animal Genetics	269	Architectural Science
237	Animal Health	302	Architectural Tech
237	Animal Health Care	267	Architecture
234	Animal Health Tech	268	Architecture Interior - Design
238	Animal Husbandry	161	Architecture Urban Planning
255	Animal Medicine	088	Archival Studies
222	Animal Nutrition	205	Arena Management
229	Animal Poultry Science	323	Armature Winding
258	Animal Reproduction	048	Art
222	Animal Science	049	Art and Art History
222	Animal Science Agriculture	071	Art and Design
234	Animal Science Tech	049	Art and History
234	Animal Tech	048	Art Conservation
233	Animal/Plant Research Technician	048	Art Decoration
091	Animation	014	Art Education
125	Anthropology	065	Art Graphic Design
233	Apiculture	049	Art History
200	Apparel Management	050	Art Painting
327	Appliance Repair or Servicing	172	Art Sociology
230	Applied Agriculture	050	Art - Drawing
074	Applied Arts	050	Art - Fine Painting
074	Applied Arts and Science	238	Artificial Insemination
448	Applied Chemistry	048	Artistry
090	Applied Communication	120	Arts
447	Applied Computational Mathematics	205	Arts Administration
138	Applied Economics	072	Arts and Crafts
144	Applied Geography	187	Arts and Science
457	Applied Geophysics	186	Arts and Social Science

193	Certified General Accountant	274	Civic Engineering
410	Certified Nursing Aide	274	Civil and Structural Engineering
407	Certified Nursing Assistant	298	Civil Culture Forestry
316	Certified Welding	336	Civil Drafting
193	Chartered Accountancy	274	Civil Engineer(ing)
264	Cheese Making	333	Civil Engineer(ing) Tech
253	Chef	154	Civil Law
449	Chemical Analysis	333	Civil Tech
273	Chemical Engineering	333	Civil Technician
304	Chemical Engineering Tech	194	Claims Adjusting
304	Chemical Laboratory Tech	366	Class A Driver
465	Chemical Metallurgy	080	Classical Civilization
474	Chemical Physics	082	Classical Languages
304	Chemical Processing Operations	053	Classical Music
449	Chemical Research	082	Classical Philology
448	Chemical Sciences	080	Classical Studies
304	Chemical Tech	080	Classics
448	Chemistry	081	Classics - Greek
449	Chemistry Analytical	118	Clergy
239	Chemistry and Biochemistry	220	Clerical
239	Chemistry and Biology	218	Clerical Accounting
456	Chemistry and Geology	220	Clerical Assistant
454	Chemistry and Mathematics	218	Clerical Bookkeeping
474	Chemistry and Physics	220	Clerical Clerk
239	Chemistry Biology	220	Clerical Course
451	Chemistry Organic	220	Clerical Office Training
452	Chemistry Physical	211	Clerical Secretary
451	Chemistry - Organics	211	Clerical Steno
168	Child and Development Studies	220	Clerk
179	Child Care	218	Clerk Accounting
179	Child Care Counselling	218	Clerk Bookkeeper
179	Child Care Program	211	Clerk Stenographer
179	Child Care Services	218	Clerk Typing and Bookkeeping
179	Child Care Social Services	211	Clerk Typist
179	Child Care Work(er)	218	Clerk Typist and Accounting Clerk
168	Child Clinical Psychology	218	Clerk Typist Bookkeeper
168	Child Development	211	Clerk Typist Secretarial
179	Child Development Services	211	Clerk Typist Stenographer
168	Child Psychology	466	Climatology
168	Child Studies	239	Clinical Biochemistry
179	Childcare Early Childhood	449	Clinical Chemistry
179	Childcare Youth Development	412	Clinical Pharmacy
002	Childhood Education	382	Clinical Physiologist
124	Childrens' Literature	169	Clinical Psychology
114	Chinese Philosophy	079	Clock Repair
104	Chinese (Language and Literature)	251	Clothing
431	Chiropodist	342	Clothing Manufacturing
431	Chiropractic	342	Clothing Technology
431	Chiropractics	251	Clothing (and Textiles)
431	Chiropractor	038	Coach
019	Christian Education	320	Cobol Programming
119	Christian Ministry	012	College Preparation
118	Christian Theology	012	College Preparatory
116	Church History	447	Combinatorics Optimization
057	Church Music	312	Combustion Tech
091	Cinema (Studies)	188	Commerce
091	Cinematography	193	Commerce Accounting
326	City and Guilds	191	Commerce and Economics
161	City Planning	188	Commerce and Finance

040	Counselling	179	Day Care Worker
040	Counselling and Guidance	179	Daycare
041	Counselling and Psychology	026	Deaf, Teaching of
044	Counselling for the Mentally Retarded	026	Deaf Education
041	Counselling Psychology	365	Deck Hand
040	Counselling Services	073	Decorating
214	Court Recording	365	Deep Sea Master
214	Court Reporting	177	Demography
214	Court Steno Reporting	432	Dental Assistant
263	Crab Processing	432	Dental Assisting
072	Craft and Design	428	Dental Ceramist
334	Crane Operator	416	Dental Hygiene
071	Creative Arts	416	Dental Hygienics
063	Creative Communications	416	Dental Hygienist
071	Creative Fashion Design	428	Dental Laboratory Tech
123	Creative Writing	428	Dental Mechanics
155	Credit Law	370	Dental Medicine
195	Credit Management	370	Dental Surgery
182	Crime Investigation	428	Dental Tech
182	Criminal Justice	432	Dental Technician
154.	Criminal Law	432	Dental Therapy
182	Criminal Studies	370	Dentistry
173	Criminology	428	Denture Technology
406	Critical Care Nursing	428	Denture Therapy
223	Crop Science	428	Denturist
253	Culinary Arts	388	Dermatology
202	Culinary Management	071	Design
128	Cultural Anthropology	071	Design Arts
089	Curatorial Art	275	Design Engineering
012	Curriculum	337	Design Mechanics
012	Curriculum and Instruction	336	Designer Drafting Tech
012	Curriculum Design	143	Development Economics
012	Curriculum Development	168	Development Studies
012	Curriculum Education	168	Developmental Psychology
012	Curriculum Studies	184	Developmental Service Worker
206	Customer Relations	026	Developmentally Handicapped Education
156	Customs and Immigration	437	Diagnostic Radiography Tech
190	Customs Broker	429	Diagnostic Radiology
220	Customs Clerk	429	Diagnostic Radiology Tech
342	Cutter - Textiles	437	Diagnostic X-ray Tech
239	Cytology	360	Diamond Drilling
426	Cytotechnology	211	Dicta Typing
235	Dairy Agriculture	211	Dicta Typist
235	Dairy and Maintenance of Dairy Farm	211	Dictaphone Typist
235	Dairy Farmer	354	Diesel Mechanics
235	Dairy Herdsman	252	Dietary Aid
264	Dairy Manufacturing	252	Dietary Service Tech
264	Dairy Processing	252	Dietary Tech
235	Dairy Production	252	Dietetics
224	Dairy Science	252	Dietetics and Nutrition
235	Dairy Tech	322	Digital Electronics
059	Dance	253	Dining Room Service
014	Dance Teachers' Training	440	Dispensing Optician
447	Data Analysis	208	Distribution Technology
275	Data Base Systems	369	Diving Deep Sea - Commercial
322	Data Electronics	117	Divinity
318	Data Entry	322	Domestic Electronics
318	Data Processing	249	Domestic Science
320	Data Programming	334	Dozer Operator

336	Drafting and Design
339	Drafting and Surveying
335	Drafting (Tech)
060	Drama
014	Drama in Education
060	Dramatic Arts
098	Dramatic Literature
335	Draughting
050	Drawing
050	Drawing and Painting
071	Dress Design(ing)
251	Dressmaking
360	Drilling
367	Driver Education
367	Driver Training
367	Driving Instructor
044	Drug Abuse Counselling
251	Dry Cleaning
311	Dry-wall
307	Dyeing
185	D.N.D. Studies Cert.
179	Early Child
179	Early Child Care
179	Early Childhood Care
004	Early Childhood Education
026	Early Childhood Educ. for the Dev. Handicapped
168	Early Childhood Psychology
179	Early Childhood Services
179	Early Childhood Study
168	Early Child(hood) Development
329	Earth Resources
455	Earth Science - Geology
455	Earth Science(s)
131	East Asian Studies
159	Ecology
143	Econometrics
189	Economic and Business Administration
146	Economic Geography
462	Economic Geology
087	Economic History
138	Economics
143	Economics Administration
138	Economics and Commerce
146	Economics and Geography
138	Economics and History
138	Economics and Law
138	Economics and Political Science
138	Economics and Psychology
138	Economics and Sociology
143	Economics Development
143	Economics - Industrial
138	Economist
138	Economy
001	Education
028	Education Administration and Curriculum
028	Education Administrator
028	Education and Administration
009	Education Biology

012	Education Curriculum and Instruction
012	Education Curriculum Development
012	Education Curriculum - Studies
011	Education Geography
011	Education History
012	Education in Curriculum Instruction
009	Education Mathematics
018	Education Music
026	Education of Deaf
026	Education of Hearing Impaired
033	Education Physical Education
009	Education Science
005	Education Secondary
011	Education Social Studies
021	Education Special Education
028	Education Supervision
029	Education Teacher Behavioural
017	Education Technical Teachers Certificate
017	Education Vocational Art
012	Education - Curriculum
006	Education - English
011	Education - Geography
008	Education - Languages
009	Education - Math
046	Education - Post Secondary
011	Education - Social Studies
012	Educational Curriculum
027	Educational Media
028	Educational Policy in Administrative Studies
041	Educational Psychology Counselling
027	Educational Resources Tech
030	Educational Sociology
030	Educational Statistics
027	Educational Tech
028	Education(al) Administration
031	Education(al) Foundations
043	Education(al) Guidance (Counselling)
029	Education(al) Psychology
031	Education(al) Theory
085	Egyptology
277	Electric Engineering
323	Electric Maintenance
323	Electric Motors
323	Electric Power Systems
323	Electric Tech
316	Electric Welding
323	Electrical
323	Electrical Appliance and Repair
310	Electrical Apprentice
323	Electrical Apprenticeship
310	Electrical Construction
323	Electrical Contractor
323	Electrical Control (Tech)
336	Electrical Drafting
327	Electrical Electronics
277	Electrical Engineer(ing)
323	Electrical Engineer(ing) Tech
323	Electrical Entry
323	Electrical Equipment

323	Electrical Inspection
323	Electrical Instrumentation Mechanics
323	Electrical Maintenance and Construction
323	Electrical Mechanical Tech
323	Electrical Partsman
327	Electrical Sound Control System
323	Electrical Systems
323	Electrical Tech
310	Electrical Wiring
310	Electrician
310	Electrician Industrial
323	Electricity
327	Electricity and Electronics
452	Electroanalysis
439	Electrocardiograph Tech
076	Electrolysis
266	Electron Microscopy
327	Electronic Assembly
322	Electronic Engineer(ing) Tech
337	Electronic Instrumentation
327	Electronic Repair
327	Electronic Servicing
322	Electronic Tech
322	Electronics
322	Electronics Engineering (Tech)
322	Electronics Navigational Aids
322	Electronics Servicing
322	Electronics Tech
356	Electronics - Business Equipment
277	Electronic(s) Engineer(ing)
369	Electroplating
322	Electrotechnology
336	Electro-mechanical Drafting
349	Electro-mechanical Engineer(ing) (Tech)
002	Elementary Education
310	Elevator Maintenance
203	Embalming
072	Embroidery
433	Emergency Care
433	Emergency Care Assistant
433	Emergency Medical Technician
433	Emergency Medicine
433	Emergency Paramedical Technology
433	Emergency Patient Care
433	EMT
383	Endocrinology
328	Energy Systems
293	Engineer
368	Engineer - Locomotive or Train
293	Engineering
291	Engineering and Mathematics
275	Engineering Design
337	Engineering Design
335	Engineering Drafting (Tech)
283	Engineering Geology
283	Engineering Geophysics
200	Engineering Management
280	Engineering Mechanic(al)
292	Engineering Physics

291	Engineering Science
211	Engineering Secretarial
275	Engineering Systems Design
276	Engineering - Computer Science
277	Engineering - Electrical
369	Engineer(ing) Tech
094	English
098	English and Drama
098	English and Theatre
098	English Arts
121	English as a Second Language
098	English Canadian Literature
098	English Drama
006	English Education
094	English Language
094	English Language and Literature
094	English Literature
094	English Literature History
211	English Stenography
118	English Theology
123	English - Creative Writing
121	English - Second Language
072	Engraving
259	Entomology
299	Environment Design
328	Environment Health Tech
158	Environment Studies
244	Environmental Biology
245	Environmental Biophysics
299	Environmental Design
418	Environmental Health
225	Environmental Horticulture
160	Environmental Planning
288	Environmental Quality Control
288	Environmental Resources
288	Environmental Science
328	Environmental Science Enforcement
158	Environmental Studies
328	Environmental Tech
418	Environmental Toxicology
288	Environment(al) Engineer(ing)
417	Epidemiology
236	Equine Care
236	Equine Studies
334	Equipment Operation
076	Esthetician
048	Esthetics
334	Estimating - Construction Trades
129	Ethnogeography
129	Ethnohistory
129	Ethnolinguistics
129	Ethnology
087	European History
022	Exceptional Children Education
211	Executive Secretary
382	Exercise Physiology
070	Experimental Arts
392	Experimental Pathology
169	Experimental Psychology

126

298	Forest Biology	232	General Farming
330	Forest Conservation	375	General Medicine
298	Forest Ecology	375	General Practice (Medicine)
295	Forest Engineering	479	General Science
259	Forest Entomology	272	Genetic Engineering/Immunology
330	Forest Fire Prevention	241	Genetics
298	Forest Genetics	247	Geobotany
295	Forest Harvesting	456	Geochemistry
295	Forest Management	457	Geodesy
359	Forest Products Tech	339	Geographical Surveying
295	Forest Ranger	144	Geography
036	Forest Recreation	146	Geography and Economics
295	Forest Resource Management	147	Geography and History
359	Forest Resource(s) (Tech)	151	Geography and Urban Studies
359	Forest Tech	149	Geography Environmental Studies
294	Forestry	152	Geography Planning
294	Forestry Engineering	149	Geography Resource Management
359	Forestry Tech	011	Geography Teaching
296	Forestry Wildlife	152	Geography - Geomorphology
348	Fork-lift Operating	283	Geological Engineering
360	Foundry	360	Geological Engineering Tech
099	French	455	Geological Science
121	French as a Second Language	455	Geology
102	French Canadian Literature	456	Geology and Chemistry
007	French Education	457	Geology and Geophysics
087	French History	459	Geology Mining
099	French Language	457	Geomorphology
099	French Language and Literature	283	Geophysical Engineering
108	French Linguistics	457	Geophysical Seismology
099	French Literature	457	Geophysics
099	French Studies	283	Geotechnical Engineering
122	French Translation	409	Geriatric Aide
122	French - English Translation	409	Geriatric Assistance
334	Front Loader Operator	406	Geriatric Nursing
203	Funeral Directing	409	Geriatric Nursing Aide Program
203	Funeral Directing and Embalming	388	Geriatrics
203	Funeral Director	409	Geriatrics - Care of the Aged
203	Funeral Service	105	German
251	Fur, Leather and Suede	087	German History
312	Furnace Making	105	German Language
078	Furniture Design and Production	105	German Language and Literature
317	Furniture Making and Refinishing	105	German Literature
078	Furniture Refinishing Tech	136	German Studies
078	Furniture Renovation	105	Germanic Languages
078	Furniture Technology	136	Germanic Studies
078	Furniture Upholstery	181	Gerontology (Applied)
251	Furrier	181	Gerontology - Ageing
232	Gardening	072	Glass Blowing
312	Gas and Oil Heating	072	Glass-working - Ornamental
312	Gas Burner Mechanics	348	Glazier
338	Gas Fitter	072	Goldsmith(ing)
348	Gas Plant Operations	204	Golf Course Management
361	Gas Technology	166	Government
316	Gas Welding	198	Government Administration
459	Gemology	485	Grade (9, 10, 11, 12, 13)
241	Genecology	334	Grader Operator
482	General	065	Graphic Artist
120	General Arts	065	Graphic Arts Administration
072	General Crafts	065	Graphic Arts Management

069	Graphic Arts Printing Tech	046	Higher Education
065	Graphic Art(s)	426	Histology Tech
062	Graphic Communication	147	Historical Geography
065	Graphic Design	083	History
065	Graphic Technician	087	History and Arts
065	Graphics	083	History and Economics
065	Graphics Design	147	History and Geography
109	Greek	083	History and Languages
081	Greek and Latin Literature	083	History and Philosophy
085	Greek and Roman History	083	History and Political Science
043	Guidance	083	History and Sociology
043	Guidance Counselling	084	History Canadian
043	Guidance Education	031	History Education
343	Gunsmithing	087	History English
039	Gymnastics Coach	011	History for Secondary Schools
395	Gynaecology	147	History Geography
077	Hairdresser	031	History of Education
077	Hairdressing	114	History of Philosophy
076	Hairdressing Cosmetology	087	History Psychology
077	Hairstyling	011	History Teaching
077	Hairstylist	087	History - Political Science
408	Handicapped Services	087	History - Politics
072	Handicraft	334	Hoisting Engineer
441	Health	360	Hoistman - Mining
201	Health Administration	408	Home Care
033	Health and Fitness	254	Home Economics
408	Health Care	251	Home Economics Clothing and Textiles
201	Health Care Administration	016	Home Economics Education
408	Health Care Aide	408	Home Health Aid
417	Health Care and Epidemiology	408	Home Making and Home Nursing
201	Health Care Management	408	Home Nursing and Home Making
408	Health Care Support	249	Home Sciences
408	Health Care Worker	408	Home Support Worker
033	Health Education	408	Homecare
441	Health Field	249	Homemaker
215	Health Record Administration	441	Homeopathy
215	Health Record (Tech)	408	Home-Makers and Care
399	Health Sciences Nursing	254	Home-Making
414	Health Services	079	Horology
201	Health Services Administration	236	Horse Husbandry
414	Health Studies	238	Horse Shoeing
422	Hearing Impairment	300	Horticulture and Landscaping
398	Heart Surgery	225	Horticulture (Tech)
312	Heat and Insulation	201	Hospital Administration
312	Heating and Air Conditioning	410	Hospital Orderly
312	Heating and Refrigeration	220	Hospital Unit Clerk
312	Heating and Ventilating	204	Hospitality
312	Heating (Tech)	204	Hospitality Administration
312	Heating - Ventilation and Air Conditioning	204	Hospitality and Tourism Management
334	Heavy Duty Equipment Operator	204	Hospitality Services
354	Heavy Duty (Equipment) Mechanics	202	Hospitality Services Food and Beverage Mgmt.
334	Heavy Equipment Operator	253	Hostess Training
334	Heavy Machine Operating	202	Hotel and Food Administration
366	Heavy Transport	202	Hotel and Resort Management
082	Hebrew	202	Hotel and Restaurant Administration
350	Helicopter Engineering Tech	202	Hotel and Restaurant Management
364	Helicopter Pilot	202	Hotel Management
316	High Pressure Pipe Welding	202	Hotel Manager
005	High School Education		

202	Hotel Motel Management	340	Industrial Maintenance (Mechanics)
202	Hotel Motel Operations	196	Industrial Management
202	Hotel Motel Restaurant Management	365	Industrial Marine Rigging
202	Hotel Resort - Restaurant Management	340	Industrial Mechanic Millwright
202	Hotel Restaurant Administration	340	Industrial Mechanics
202	Hotel Restaurant Management	272	Industrial Microbiology
202	Hotel - Motel Management	171	Industrial Psychology
202	Hotel - Motel - Restaurant Management	220	Industrial Records
309	House Construction	196	Industrial Relations
313	House Painting	017	Industrial Teacher Education
254	Household Economics	348	Industrial Tech
249	Household Science	321	Information Processing
249	Housekeeping	088	Information Science
376	Human Anatomy	321	Information Systems
244	Human Biology	435	Inhalation Therapy
168	Human Development	451	Inorganic Chemistry
159	Human Ecology	205	Institutional Management
383	Human Genetics	027	Instructional Tech
152	Human Geography	337	Instrument Tech
153	Human Justice	337	Instrumentation
034	Human Kinetics	280	Instrumentation Engineering
252	Human Nutrition	337	Instrumentation Mechanic(s)
034	Human Performance	337	Instrumentation Tech
382	Human Physiology	312	Insulation
016	Human Relations	210	Insurance
199	Human Resources	194	Insurance Adjuster
199	Human Resource(s) Management	195	Insurance Administration
186	Human Sciences	209	Insurance Sales
184	Human Service(s) (Worker)	406	Intensive Care - Nursing
152	Human Studies	482	Interdisciplinary Studies
120	Humanities	073	Interior Decorating
280	Hydraulics	073	Interior Decoration Design
286	Hydrocarbon Engineering	073	Interior Design
361	Hydrocarbon Engineering Tech	313	Interior Finishing
462	Hydrogeology	012	Intermediate Education
462	Hydrology	375	Internal Medicine
262	Ichthyology	165	International Affairs
050	Illustration	190	International Business
390	Immunochemistry	143	International Development
390	Immunology	143	International Economics
109	Indian Languages American	190	International Finance
137	Indian Studies and Social Sciences	156	International Law
193	Industrial Accounting	165	International Politics
017	Industrial Arts Teacher Education	165	International Relations
369	Industrial Art(s)	165	International Studies
292	Industrial Chemistry	156	International Trade Law
269	Industrial Design	122	Interpretation
335	Industrial Drafting	220	Inventory Clerk
017	Industrial Education	210	Inventory Control
323	Industrial Electrician	210	Inventory Management
322	Industrial Electronic(s)	262	Invertebrate Zoology
340	Industrial Engineering Tech	195	Investment
279	Industrial Engineer(ing)	316	Iron Work
418	Industrial First Aid	233	Irrigation Tech
418	Industrial Health	137	Islamic Studies
418	Industrial Hygiene	106	Italian
340	Industrial Instrument Mechanics	106	Italian Language
337	Industrial Instrumentation (Tech)	106	Italian Language and Literature
369	Industrial Laboratory Tech	106	Italian Literature

143	Macroeconomics
369	Maintenance Engineering
349	Maintenance Mechanics
327	Major Appliances
262	Mammalogy
189	Management
193	Management Accounting
189	Management Administration
192	Management and Marketing
143	Management Economics
202	Management Hotel
189	Management Information Systems
189	Management Science
189	Management Studies
200	Management Supervisory
189	Management - General
279	Manufacturing Engineer(ing)
340	Manufacturing Engineer(ing) Tech
200	Manufacturing Management
348	Manufacturing Tech
145	Map Drafting
145	Mapping
261	Marine Biology
261	Marine Biology - Ornithology
365	Marine Captains Course
355	Marine Diesel (Mechanics)
261	Marine Ecology
323	Marine Electrical
322	Marine Electronics
365	Marine Emergency Duties
289	Marine Engineering
365	Marine Master
355	Marine Mechanics
466	Marine Meteorology
365	Marine Navigation (Tech)
365	Marine Rigging
467	Marine Science
308	Marine Steel Work
365	Marine Transportation (Tech)
195	Market Management
207	Marketing
207	Marketing Administration
207	Marketing and Business Administration
207	Marketing and Finance
207	Marketing and Industrial Relations
190	Marketing and International Business
207	Marketing and Management
210	Marketing and Sales
143	Marketing Economics
207	Marketing Finance
207	Marketing General Business
207	Marketing Management
207	Marketing Real Estate
207	Marketing Research
314	Masonry (Construction)
090	Mass Communication
090	Mass Media Studies
441	Masseur
365	Master - Foreign Going

365	Mate - Watchkeeping
074	Material Arts
465	Material Science
348	Materials Engineer(ing) (Tech)
465	Materials Science
348	Material(s) Management
365	Mates Ticket
464	Math
143	Math and Economics
009	Math and Science Curriculum
009	Math Education
291	Mathematical Engineering
464	Mathematical Logic
477	Mathematical Physics
463	Mathematical Statistics
464	Mathematics
444	Mathematics and Computer Science
009	Mathematics and Education
477	Mathematics and Physics
143	Mathematics Economics
009	Mathematics Education
009	Mathematics Teaching
189	MBA
264	Meat Cutter
264	Meat Cutting
264	Meat Inspecting
264	Meat Processing
349	Mechanical
349	Mechanical Assembly
337	Mechanical Design
349	Mechanical Design Tech
336	Mechanical Drafting (Tech)
336	Mechanical Drawing
336	Mechanical Engineering Drafting
280	Mechanical Engineer(ing)
349	Mechanical Engineer(ing) Tech
349	Mechanical Repair
349	Mechanical Tech
349	Mechanics
090	Media Resources
085	Mediaeval History
441	Medical
377	Medical Biochemistry
377	Medical Biophysics
217	Medical Dictatypist
375	Medical Doctor
272	Medical Engineering
441	Medical Field
383	Medical Genetics
425	Medical Laboratory
425	Medical Laboratory Assistant
425	Medical Laboratory Science
425	Medical Laboratory Tech
391	Medical Microbiology
380	Medical Neuroanatomy
380	Medical Neurophysiology
402	Medical Nursing
217	Medical Office Assistant
392	Medical Pathology

377	Medical Physics	185	Military Strategy
382	Medical Physiology	185	Military Studies
438	Medical Radiation Tech	185	Military Tactics
387	Medical Radiography	072	Millinery
429	Medical Radiological Tech	359	Millwork
387	Medical Radiology	317	Millwork and Carpentry
215	Medical Records	340	Millwright
215	Medical Records Librarian	284	Mineral Engineering
215	Medical Records (Tech)	459	Mineral Exploration
421	Medical Rehabilitation	360	Mineral Tech
383	Medical Research	360	Mining
383	Medical Science	285	Mining Engineer(ing)
217	Medical Secretary	360	Mining Engineer(ing) Tech
441	Medical Security	360	Mining Tech
217	Medical Stenographer	360	Mining - Nickel
441	Medical Support Services	118	Ministry
425	Medical Tech	118	Ministry Religious Studies
441	Medical Terminology	365	Minor Waters
217	Medical Transcription	118	Missiology
437	Medical X-ray Tech	119	Missionary Training
375	Medicine	118	Missions Theology
395	Medicine Gynecology	253	Mixology
399	Medicine Nursing	064	Modelling
392	Medicine Pathology	087	Modern History
385	Medicine Pediatrics	109	Modern Languages
386	Medicine Psychiatry	109	Modern Languages and Literature
398	Medicine Surgery	243	Molecular Biology
375	Medicine - General Practice	245	Molecular Biophysics
085	Medieval Studies	241	Molecular Genetics
434	Mental Health	203	Mortuary Science
404	Mental Health Nursing	091	Motion Picture Production
434	Mental Retardation	349	Motive Power Tech
044	Mental Retardation Counsellor	367	Motor Vehicle Instruction
434	Mental Retardation Worker	344	Mould Making
434	Mentally Retarded	026	Multicultural Education
208	Merchandising	026	Multicultural Education - Native
208	Merchandising Administration	198	Municipal Administration
208	Merchandising Management	194	Municipal Assessment
208	Merchandising Marketing	161	Municipal Planning and Development
208	Merchandizing	035	Municipal Recreation
360	Metal Fabricating	089	Museology
346	Metal Work	089	Museum Studies
284	Metallurgical Engineering	089	Museum Technology
360	Metallurgical Engineering Tech	053	Music
465	Metallurgy	018	Music and Education
465	Metallurgy and Materials Science	054	Music Composition
466	Meteorological Engineering	018	Music Education
466	Meteorology	278	Music Engineering
242	Microbiology	056	Music History
391	Microbiology and Immunology	053	Music Performance
276	Microcomputer Science	056	Music Performance and Literature
321	Microcomputer Tech	018	Music Teacher Training
143	Microeconomics	018	Music Teaching
324	Microwave Engineering	057	Music Theatre
137	Middle Eastern Studies	056	Music Theory
403	Midwifery	423	Music Therapy
274	Military Engineering	055	Music - Piano
185	Military History	057	Music - Voice
182	Military Police	018	Musical Education

079	Musical Instrument Repair	399	Nursing - Post Registered Nursing
053	Musicology	252	Nutrition
247	Mycology	239	Nutrition and Biochemistry
179	Nanny	252	Nutrition Science
184	Native Alcohol Program	403	Obstetric Nursing
132	Native Cultural Studies	395	Obstetrics
132	Native Studies	395	Obstetrics and Gynecology
361	Natural Gas and Petroleum	418	Occupational Health
160	Natural Resource Management	418	Occupational Health and Safety
328	Natural Resources	406	Occupational Health Nursing
149	Natural Resources Geography	423	Occupational Therapy
329	Natural Science Tech	289	Ocean Engineering
266	Natural Sciences	365	Ocean Navigation
365	Nautical Science	467	Oceanography
365	Nautical Training	211	Office Administration
308	Naval Architecture and/or Ship Building	220	Office Clerk
365	Navigation	015	Office Education
365	Navigation Marine	211	Office Management
365	Navigation Officer	211	Office Practice
137	Near Eastern Studies	211	Office Procedure
072	Needlework	211	Office Studies
403	Neo Natal Intensive Care Nursing	211	Office System Management
380	Neuro Biology	211	Office Training
169	Neuro Psychology	069	Offset (Press) Printing
380	Neurological Physiology	312	Oil Burner Mechanics
384	Neurology	312	Oil Burner Servicing
384	Neuropathology	057	Opera
381	Neuropharmacology	358	Operating Engineer
380	Neurophysiology	402	Operating Room Nursing
384	Neuroscience	440	Operating Room Technology
398	Neurosurgery	446	Operational Research
348	Non-destructive Testing	200	Operations Management
273	Nuclear Engineering	446	Operations Research
387	Nuclear Medicine	398	Ophthalmology
438	Nuclear Medicine Tech	440	Optical (Laboratory) Tech
473	Nuclear Physics	440	Optician
292	Nuclear Thermal Science	478	Optics
399	Nurse Practioner	411	Optometry
403	Nurse Practioner Midwifery	370	Oral and Maxillofacial Surgery
004	Nursery Aid	370	Oral Maxillo Facial Surgery
410	Nurses Aide and Home Makers	370	Oral Pathology
410	Nurse's Aide	370	Oral Surgery
399	Nursing	410	Orderly
201	Nursing Administration	451	Organic Chemistry
410	Nursing Aide	196	Organizational Behaviour
407	Nursing Assistance	225	Ornamental Horticulture
407	Nursing Assistant	262	Ornithology
405	Nursing Community Health	370	Orthodontics
046	Nursing Education	396	Orthopaedic Surgery
201	Nursing Management	396	Orthopedic Surgery
403	Nursing Obstetrical	396	Orthopedics
410	Nursing Orderly	440	Orthotics
407	Nursing Practical	003	Other (e.g. Physical Education, Arts)
404	Nursing Psychiatry	398	Otolaryngology
405	Nursing Public Health	036	Outdoor Education
046	Nursing School Instruction	036	Outdoor Recreation
399	Nursing Science	036	Outdoor Recreation Management
201	Nursing Services Administration	062	Package Design
406	Nursing - Geriatrics	385	Paediatrics

248	Plant Breeding	414	Preventive Medicine
248	Plant Ecology	441	Pre-health Sciences
248	Plant Genetics	406	Pre-hospital Care
248	Plant Nutrition	441	Pre-med
248	Plant Pathology	004	Pre-school Education
248	Plant Physiology	119	Priesthood
248	Plant Protection	002	Primary Education
226	Plant Science	066	Print Making
248	Plant Virology	069	Printing
311	Plastering	069	Printing Management
306	Plastic Fabricating	069	Printing Production
398	Plastic Surgery	069	Printing Tech
306	Plastics Engineering Tech	157	Private Law
306	Plastics Tech	364	Private Pilot's License
315	Plumbing	348	Process Operations
315	Plumbing and Gas Fitting	336	Process Pipe Drafting
315	Plumbing and Gas Heating	200	Production and Operations Management
315	Plumbing and Heating	340	Production Engineering Technology
315	Plumbing and Pipe Fitting	200	Production Management
359	Plywood Lumber Technician	348	Production Planning and Inventory Control
398	Podiatry	253	Professional Cook(ing)
182	Police	064	Professional Modelling
182	Police Administration	211	Professional Secretary
182	Police Officer	445	Programmer Analyst
182	Police Related Services	320	Programming
182	Police Science	194	Property Appraisal
182	Police Studies	195	Property Management
182	Police Tech	339	Property Mapping
182	Police Training	440	Prosthetics Orthotics
182	Police Work	440	Prosthetics Tech
198	Policy and Administration	404	Psychiatric Nursing
107	Polish Language and Literature	386	Psychiatry
113	Political Economy	171	Psycho Biology
113	Political Philosophy	404	Psychological Nursing
162	Political Science	167	Psychology
162	Political Science and Economics	167	Psychology and Biology
162	Political Science and History	167	Psychology and Economics
113	Political Science and Philosophy	029	Psychology and Education
162	Political Science and Psychology	167	Psychology and Philosophy
162	Political Science and Sociology	167	Psychology and Political Science
166	Political Science Economics	041	Psychology Counselling
166	Political Science History	029	Psychology Education
162	Political Studies	184	Psychology Social Work
166	Politics	029	Psychology - Education
328	Pollution Control Tech	169	Psychometrics
451	Polymer Chemistry	171	Psychopathology
241	Population Genetics	029	Psychopedagogy
051	Pottery	198	Public Administration
229	Poultry Science	414	Public Health
282	Power Engineer	418	Public Health and Pollution Control
282	Power Engineering	414	Public Health Inspection
358	Power Engineering Tech	405	Public Health Nursing
345	Power Sewing	415	Public Health Nutrition
225	Practical Horticulture	198	Public Policy
399	Practical Nursing	206	Public Relations
118	Practical Theology	069	Publishing
337	Precision Instrument Technician	359	Pulp and Paper (Tech)
317	Precision Woodworking	210	Purchasing
316	Pressure Welding	210	Purchasing Management

479	Pure and Applied Sciences	399	Registered Nurse
464	Pure Mathematics	410	Registered Nurses Aide
348	Quality Control	407	Registered Nursing Assistant
191	Quantitative Business Analysis	421	Rehabilitation
447	Quantitive Methods	044	Rehabilitation Counselling
339	Quantity Survey Construction Supervisor	421	Rehabilitation Medicine
324	Radar Operation	421	Rehabilitation Practioner
324	Radar Technology	421	Rehabilitation Services
454	Radiation Chemistry	115	Religion
438	Radiation Oncology Tech	116	Religion and Culture
418	Radiation Protection Technology	115	Religion and Philosophy
438	Radiation Technology	118	Religion and Theological Work
092	Radio	116	Religion Culture
092	Radio and Television	116	Religious Culture and History
092	Radio and Television Arts	019	Religious Education
092	Radio and Television Broadcasting	115	Religious Studies
092	Radio and Television Communications	026	Remedial Reading
325	Radio and TV Tech	339	Remote Sensing
092	Radio Broadcasting	331	Renewable Resources (Tech)
325	Radio Electronics	256	Reproductive Physiology
326	Radio Operator	480	Research Assistant
325	Radio Tech	408	Resident Care Worker
437	Radiography	408	Residential Care (Worker)
429	Radiological Tech	204	Resort and Hotel Management
387	Radiology	204	Resort Management
429	Radiology Tech	288	Resource Engineering
438	Radiotherapy	330	Resource Technician Forestry
438	Radiotherapy Tech	329	Resource (Engineering Tech)
438	Radio-therapy	328	Resources
368	Rail Road Maintenance	160	Resources Management
368	Rail Transportation (Tech)	160	Resources Planning
368	Railway Engineer	435	Respiratory Tech
368	Railway Signal Training	435	Respiratory Therapy
235	Range Management	202	Restaurann Management
003	Reading (Elementary Education)	209	Retail Management
195	Real Estate	207	Retail Marketing
194	Real Estate Appraisal	264	Retail Meat Cutting
209	Real Estate Sales	208	Retail Merchandising
209	Realtor	209	Retail Sales
211	Receptionist	209	Retail Selling
211	Receptionist Clerk Typist	209	Retailing
211	Receptionist - Typist	209	Retailing and Merchandising
278	Recording Engineering	334	Rigger
220	Records Certificate	365	Rigging
220	Records Management	334	Road Construction
035	Recreation	348	Robotics Tech
152	Recreational Geography	108	Romance Linguistics
035	Recreation(al) Administration	317	Roofing
035	Recreation(al) Education	306	Rubber and Plastic Products
035	Recreation(al) Facility Management	306	Rubber Tech
035	Recreation(al) Leadership	161	Rural Planning
035	Recreation(al) Management	177	Rural Sociology
035	Recreation(al) Tech	087	Russian History
035	Recreation(al) Therapy	136	Russian Studies
035	Recreology	107	Russian (Language and Literature)
341	Refrigeration	279	Safety Engineering
161	Regional Planning	183	Safety Systems Tech
193	Registered Industrial Accountant	183	Safety Training
425	Registered Medical Laboratory Technology	209	Sales

209	Sales and Marketing	211	Secretarial Skills
209	Sales Clerk	211	Secretarial Stenographer
209	Sales Management	211	Secretarial Studies
207	Sales Marketing	211	Secretarial Technology
209	Salesmanship	211	Secretarial Training
209	Salesperson	211	Secretarial Typing
263	Salmonoid Enhancement	211	Secretarial Work
119	Salvation Army	211	Secretarial - Business
328	Sanitation	211	Secretarial/Business
348	Saw Filer Fitter	211	Secretary
359	Saw Mill Operation	218	Secretary Bookkeeping
348	Saw Sharpening and Repair	219	Secretary of Word Processing
359	Scaler	211	Secretary Stenographer
028	School Administration	211	Secretary - Bilingual
043	School Counselling	211	Secretary - Executive
088	School Librarian	217	Secretary - Medical and Dental
029	School Psychology	180	Security Correction
479	Science	183	Security Officer
294	Science and Forestry	183	Security Protection Technologies
399	Science and Nursing	210	Security Salesman
412	Science and Pharmacy	209	Selling Course
240	Science Biology	366	Semi-Truck Driver
239	Science Biology and Chemistry	353	Service Tech
448	Science Chemistry	251	Sewing
009	Science Education	345	Sewing Machine Mechanic(s)
291	Science Engineering	345	Sewing Machine Operator
441	Science Health Studies	346	Sheet Metal
254	Science Home Economics	308	Shipbuilding
399	Science in Nursing	363	Shipper
480	Science Lab Tech	308	Shipwright
252	Science Nutrition	079	Shoe Repair
412	Science Pharmacy	079	Shoemaking
424	Science Physiotherapy	220	Shopkeeper and Stockman
167	Science Psychology	253	Short Order Cook
009	Science Teaching	211	Shorthand
480	Science Tech	211	Shorthand and Typing
479	Sciences	211	Shorthand Typing
320	Scientific Computer Programming	026	Sign Language
066	Screen Process Printing	063	Sign Painting
052	Sculpture	063	Sign Writing
365	Sea Captain	066	Silk Screen Printer
263	Seafood Processing	298	Silviculture
365	Seamanship	057	Singing
365	Seaman's Training	204	Ski Area Management
079	Seamstress	359	Skidder Operator
121	Second Language Training	136	Slavic Studies
365	Second Mate	107	Slavic (Languages and Literature)
011	Secondary Education Social Studies	327	Small Appliance Repair
005	Secondary School Education	191	Small Business Management
009	Secondary Science	191	Small Businesses
211	Secretarial	357	Small Engine Repair
211	Secretarial and Administration	184	Social Administration
211	Secretarial Arts	128	Social and Cultural Anthropology
211	Secretarial Business	128	Social Anthropology
211	Secretarial Clerk Course	170	Social Behaviour
211	Secretarial General Office	042	Social Counselling
211	Secretarial Science	187	Social Development Studies
211	Secretarial Service	152	Social Geography
211	Secretarial Shorthand	187	Social Policy

170	Social Psychology	211	Steno
186	Social Sciences	211	Steno Typist
184	Social Service Worker	211	Stenographer
184	Social Services	441	Sterilization Technique
178	Social Services Worker	195	Stockbroker
179	Social Services - Child Care	220	Stock-Room Clerk
177	Social Stratification	209	Storekeeper and Purchasing
011	Social Studies	303	Structural Design
011	Social Studies Education	336	Structural Drafting
178	Social Welfare	274	Structural Engineering
178	Social Welfare Administration	333	Structural Engineering Tech
178	Social Work Administration	316	Structural Steel
184	Social Work Aide	048	Studio Art
178	Social Work(er)	199	Supervision and Administration
172	Sociology	200	Supervisory Management
172	Sociology and Economics	210	Supply and Service
172	Sociology and History	220	Supply Technician
172	Sociology and Law	462	Surficial Geology
172	Sociology and Philosophy	394	Surgeon
172	Sociology and Political Science	394	Surgery
030	Sociology of Education	402	Surgical Nursing
228	Soil Chemistry	274	Survey Science
228	Soil Microbiology	335	Survey(ing) Drafting
228	Soil Science	274	Survey(ing) Engineer(ing)
233	Soil (Tech)	339	Survey(ing) (Tech)
478	Solid State Physics	213	Switchboard Operator
278	Sound Engineering	445	Systems Analysis
136	Soviet Eastern European Studies	275	Systems Design Engineering
109	Spanish	275	Systems Engineer(ing)
109	Spanish Language	251	Tailor (Taylor)
109	Spanish Literature	342	Tailoring Technician
137	Spanish Studies	155	Tax Law
408	Special Care Aide	072	Taxidermist
044	Special Care Counselling	032	Teacher Assistant
211	Special Commercial	032	Teachers Assistant
021	Special Education	015	Teachers Degree Accounting
026	Special Education Mental Retardation	032	Teacher's Aide
021	Special Education Teaching	001	Teacher's (College Certificate)
422	Speech Language Pathology	121	Teaching English as a Second Language
422	Speech Pathology	121	Teaching French as a Second Language
422	Speech Pathology and Audiology	353	Tech
422	Speech Science	369	Technical
422	Speech Therapy	335	Technical Drafting
220	Speedwriting	322	Technical Electronics
118	Spiritual Theology	369	Technical Trades
038	Sports Administration	369	Technician
038	Sports and Athletics	369	Technician Engineering
441	Sports Medicine	369	Technology
171	Sports Psychology	326	Telecommunication Engineering (Tech)
038	Sports Science	326	Telegraph (Tech)
313	Spray Painting	213	Telephone Operator
315	Sprinkler Fitting	326	Telephone Tech
467	Static Oceanography	326	Teletype
358	Stationary Engineer(ing)	092	Television Broadcasting
463	Statistics	092	Television Production
358	Steam Engineer(ing)	325	Television Technician
338	Steam Fitter	092	Television (Arts)
315	Steam Gas and Plumbing	212	Teller Training
316	Steel Fabrication	071	Textile Design

138

307	Textile Processing	218	Typing Shorthand and Accounting
307	Textile Science	107	Ukrainian
307	Textile Tech	436	Ultrasonagraphy
251	Textiles	436	Ultrasound
061	Theatre	436	Ultrasound Tech
061	Theatre Arts	316	Underwater Welding
145	Thematic Cartography	195	Underwriting
118	Theological, Religious and Ethical Studies	078	Upholstering
118	Theological Studies	078	Upholstery
118	Theology	146	Urban and Economic Geography
046	Theology Education	161	Urban and Regional Planning
454	Theoretical Chemistry	161	Urban and Rural Planning
477	Theoretical Physics	161	Urban Design
423	Therapeutic Recreation	161	Urban Development
423	Therapy	151	Urban Geography
478	Thermodynamics	161	Urban Land
398	Thoracic Surgery	143	Urban Land Economics
313	Tile Setting	161	Urban Planning
200	Time Study	161	Urban Regional Planning
346	Tinsmithing	161	Urban Studies
347	Tool and Die (Maker)	398	Urology
347	Tool Making	255	Veterinarian Medicine
037	Tourism	256	Veterinarian Science
037	Tourism and Transportation	256	Veterinary Epidemiology
204	Tourism Industry Administration	255	Veterinary Medicine
204	Tourism Management	255	Veterinary Pathology
383	Toxicology	414	Veterinary Public Health
366	Tractor-Trailer Driving	256	Veterinary Science
369	Trades	255	Veterinary Surgery
368	Train Conductor	237	Veterinary Tech
122	Translation	104	Vietnamese
122	Translation and Interpretation	393	Virology
122	Translation English and French	070	Visual Arts
122	Translators and Interpreters	070	Visual Communications
366	Transport Driving	057	Vocal Music
366	Transport Equipment Operating	057	Vocal Performance Music
363	Transportation	230	Vocational Agriculture
274	Transportation Engineering	017	Vocational Education
200	Transportation Management	043	Vocational Rehabilitation (Counselling)
363	Transportation Planning Technology	017	Vocational Teacher Training
363	Transportation Technology	369	Vocational (Training)
265	Trapping	253	Waiter/Waitress (Training)
037	Travel	253	Waitress(ing)
037	Travel Agent	185	War Studies
204	Travel and Tourism Administration	410	Ward Assistant or Aide
037	Travel and Tourism (Consultant)	348	Warehousing
037	Travel Counsellor	365	Watch Keeping (Mate)
037	Travel Program	079	Watch Making
037	Travel Tourist	079	Watch Repair
037	Travel (Consultant)	288	Water Resources Engineering
298	Tree Physiology	329	Water Resources (Tech)
366	Truck Driving	329	Water Science(s) (Tech)
366	Trucking	466	Weather Observation
092	TV Broadcasting	324	Weather Radar
069	Typesetting	072	Weaving
211	Typing	233	Weed Control
218	Typing and Bookkeeping	316	Welder
220	Typing and Office Work	316	Welder Fitter
218	Typing Bookkeeping	316	Welding

316	Welding and Fabrication	187	Women's Studies
316	Welding Engineering (Tech)	317	Wood Finishing
316	Welding Fitter	359	Wood Tech
316	Welding Tech	317	Woodwork(ing)
178	Welfare	219	Word Process Operator
184	Welfare Aid	219	Word Processing
178	Welfare Worker	219	Word Processing Computer
362	Well Drilling	219	Word Processing Secretary
084	Western Canadian History	219	Word Processing Specialist
236	Western Horsemanship	219	Word Processing - Clerk Typist
036	Wildland Recreation	219	Word Processing - Operator
262	Wildlife Biology	219	Word Processor
332	Wildlife Conservation Tech	437	X-ray Program
262	Wildlife Ecology	437	X-ray Tech
296	Wildlife Management	168	Youth Development
036	Wildlife Recreation	179	Youth Services
326	Wireless Telegraphy	257	Zoology
043	Woman in Trade and Technology		